

August 23, 2019

#### Via Electronic Mail and Overnight Mail

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GE

Zolymar Luna

Caribbean Environmental Protection Division
U.S. Environmental Protection Agency, Region 2

City View Plaza II, Suite 7000

#48 Rd 165, km 1.2

Guaynabo, Puerto Rico 00968-8069

Luna.zolymar@epa.gov

RF:

General Electric Company's Response to "Notice of Potential Liability and Request for Information Pursuant to Sections 107(a) and 104(e) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §§ 9601-9675, relating to the PROTECO Site in Peñuelas, Puerto Rico"

Dear Ms. Leshak and Ms. Luna:

On behalf of General Electric, I have enclosed a CD containing a supplemental production of documents responsive to the above-referenced Request for Information dated March 28, 2019 from the United States Environmental Protection Agency ("EPA") concerning the PROTECO Site in Peñuelas, Puerto Rico. The documents in the supplemental production are bates stamped GE\_CARIBE001690-GE\_CARIBE001996. General Electric makes this supplemental production subject to and without waiver of the general and specific objections it asserted in its May 24, 2019 and June 24, 2019 narrative submissions to EPA.

Respectfully submitted,

/s/ Monique Mooney

Monique M. Mooney, Esq. GE Global Operations

Enclosure

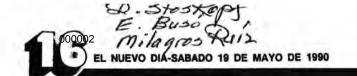
CC:

Kathleen Campbell, Esq. (via email)

584578

000001 M. /2.2.00		RANSMITTAL PLANT	
Milagra TO E. Bus	30	FROM	1. Colon
LOCATION GEF	RO	DATE	5-72-90
NO. PAGES TO FOLLOW			
/// ACTION	information	/_/ COMMENTS	OTHER
	F.Y.I.		
	<b>A</b>		

GE\_CARIBE001690



### PRIMEP PLANO

### Ordena Laffitte el cierre de un vertedero

Por JOSE FERNANDEZ COLON De La Agacia EFE

PONCE - El juez del Tribunal Federal en San Juar, Héctor M. Laffitte, ordenó a la empresa Protección Técnica Ecológica (PROTECO) cerrar el vertedero donde arroja desperdicios peligrosos.

El fallo en contra de la empresa dedicada al manejo de basura le obliga a pagar la limpieza del área utilizada como vertedero en Peñuelas y ordena supervisar la zona por un período de 30 años.

La orden también exige a la empresa, ubicada en el sector Tallaboa de Peñuelas, que cumpla con todos los procedimientos requeridos por el organismo federal de Protección Ambiental (EPA) para terminar con el "estatus interino" con el cual se le clasifica actualmente.

PROTECO, cuya autorización para continuar operando la instalación para tratala misma.

EPA también deberá suministrar en un período identico la documentación técnica relacionada con la clausura de la instalación, así como de la información relacionada con las responsabilidades vigentes después del cierre.

La determinación judicial también obliga a PROTECO a someter a EPA una carta donde expresen su retiro de la solicitud del

#### JUDGE LAFFITE ORDERS CLOSING OF LANDFILL

Ponce- The Judge of the Federal Court in San Juan, Hector M. Laffite, order the Ecological Technical Protection Company (PROTECO) to close the landfill where it dumps hazardous wastes.

The decision against the company, dedicated to dispose of waste, forces it to pay for the cleaning of the area used as landfill in Peñuelas and orders the company to supervise the area for a period of 30 years.

The order also demands from the company, located in the Tallaboa section in Peñuelas, to comply with all procedures required by the Environ.Protection Agency (EPA) to put an end with the "interim status" in which it is classified at present.

PROTECO, whose authorization to continue operating the installation for the treatment, deposit and disposition of hazardous wates could be revoked if it does not meet EPA demands, presented a motion to modify the court order. Nevertheless, the legal recourse was denied by Laffitte.

The Judge ordered PROTECO & EPA to meet before May 21 to discuss the closure of the

El fallo federal obliga a PROTECO a pagar la limpleza del área utilizada como vertedero en Peñuelas

miento, almacenaje y disposición de desperdicios peligrosos, podría ser eliminada si no cumple pronto con las exigencias de EPA, presentó una moción para que se modifique la orden judicial.

SIN EMBARGO, el recurso legal, donde solicitaban que las penalidades a imponérseles se destinaran a un "fondo de mejoras" le fue denegada por Laffitte.

ras", le fue denegada por Laffitte.

El juez ordenó a PROTECO y a EPA
que se reúnan antes del próximo 21 de
mayo para discutir la clausura de la empresa que maneja desperdicios tóxicos, peligrosos e industriales.

La orden judicial, copia de la cual fue entregada EFE, pide a PROTECO que entregue en un lapso de "por lo menos 20 días antes de la reunión" un resumen de los temas y documentación que presentarán en permiso "Parte B" que le hubiese permitido operar legalmente este tipo de instalación.

Por su parte, el asesor científico de Misión Industrial, Mario Riera, indicó a EFE que aunque PROTECO niega que en sus instalaciones hay contaminación, los terrenos donde ubica la empresa si están contaminados,

Indicó que el jueves visitará las instalaciones de PROTECO para verificar si se ha iniciado la limpieza ordenada por el el juez Laffitte.

Riera opinó que PROTECO no expone la verdad cuando dice que "no es rentable" manejar y disponer desperdicios tóxicos y peligrosos porque en la Isla se generan sobre 405, 000 toneladas de desperdicios anualmente.



company. The court order requests PROTECO to present a summary of the subjects and documentation that it will submit to the court. EPA will also submit the technical data related to the closure of the installation, as well as the information related to the responsibilities after the closure.

The court order also forces PROTECO to submit to EPA a letter where they withdraw their request for permit B, which would have given the company hte permit for the legal operation of the company.

"Industrial Mission" Scientific Advisor, Mario Riera, that PROTECO denies that there is contamination in the installation, but the ground where the company is located is contaminated. He will visit the premises next Thursday to verify if the cleaning ordered by Judge Laffitte has been started.

Riera said PROTECO is not telling the truth when they say that it is not economically feasible to operate a hazardous landfill because 405,000 tons per year are generated on the island.

GE CARIBE001691

JUEGO DE DORMITORIO

SESPEC

Epril 17. 1990

Juan Colon

In looking through tome our of records

I found this document among herog

Nutzler's files. Is this the Muiting information

regarding the off-Aite disposal of tome.

leazardous wastes in Jeona Diaz? This is

all I now across.

New Frankoff

Department	
Bus iness	
Viring Device	
Comranent M	
GE	

Juana Diaz, P.R.

Location

## TABLE 2

# WASTE DISPOSAL PRACTICES OFF GE PROPERTY

Landfill at  Guayanilla, P.R.  1976 Est. 10,000#  1977 Approximately 4000# plating waste treatment sludge (B-1 and B-5).  1978 Approximately 5000# plating waste treatment sludge (B-1 and B-5).	ndfill, lagoon, incinerator.
Servicios Carbareon, Inc. Coto Laurel, P.R. 00644  RECEIVEL  90 APR 30 A9:14	RE_CAUSTING Includes e.g. landfill, lagoon, incinerator.

SECTION	A							
GENERAL	I	(FC	RM	íA	TI	ON	ſ	

QUESTIONNAIRE

Retur	n this questionnaire by
SECTI	ON A: GENERAL INFORMATION
Al.	Company Name Caribe General Electric Products, Inc.
A2.	Company Address Calle Carrion Maduro Km. 67.2, Juana Diaz, P.R.
A3.	Mailing Address Street and P. O. Box No. P.O. Box 1430
	Street and P. O. Box No. P.O. Box 1430  City Juana Diaz, Puerto Rico Zip Code 00665  Phone (809) 837-2500
A4.	Authorized Company Officer Jerry Purdy
	Name (Print) Plant Manager
	Tittle
A5.	Person to be contacted about questionnaire  Name Stephen Brown Phone 837-2590
	Position or Tittle Environmental Coordinator
	Address P.O. Box 1430, Juana Diaz, Puerto Rico
A6.	Contact person in emergency Name Stephen Brown Tittle Environmental Coordinate
	Day Telephone 837-2500 Night Telephone 789-1235 Unidad 789-189
A.7.	Waste Water Discharge Permit
	Yes No XXX
P. B. Meter Same (1996) 24. apr. 36. (2017)	Date Issued

SECTION	A (Con	t.).
GENERAL	INFORMATI	ON
INDUSTR	NAME	

Auth	orized Company Offic	er Signature.
	.araba, compan, cara	
	The information do	ntained in this questionnaire, to the
h		
pest	or my knowledge is	true, complete and accurate.
	May 29, 1990	(0.000)
Date	2 May -275 1770	Signature
		Juan Colon
		Manager VMTg. Tech. Dept.
		1.00.000
		FOR PRASA USE ONLY
	•	
		Industry Discharges to
Date	Received	
1.	Questionnaire Comple	te.
	Tolophone Call Pagui	olete: Visit Required
	rerephone Call Redul	visit Required
_		
2.	Comments:	
		•
•	Reviewed by	Date
	Approved by	Da <b>te</b>
	TEPECACC DI	Date

SECTION B
PRODUCT SERVICE INFORMATION
INDUSTRY NAME

### SECTION B: PRODUCT SERVICE INFORMATION

B1.	Industrial Classification: Check the attached list of
	industries. Select and write the number and industry that
	fits more closely to yours. Write as "Other" and describe
	if none of them match with it. The industry may have more
	than one product and classification.

8 - Electric & Electronic	Components

B2. Principal products and services, average and maximum daily production rates, Standard Industry Classification (SIC) number and % of total production of the Company Clearly spell out the unit of production.

PRODUCT	PRODUCT AVERAGE	SIC		ERCENT CODUCTION MAXIMUM	
Receptacles	3060	20,000	36	10.85%	34.48%
Switches	6766	8,000	36	24.00%	15.38%
Relays	3051	4,000	36 ·	10.82%	7.6%
Misč.	15314	20,000	36	54.32%	34.48%

B3. Process description- Include a detailed description of all process (es) from raw material (s) to final product (s) including chemical reactions, clearly identifying all the wastewaters generated. Include diagrams as necessary describing the major unit operations used an example is enclosed for your information.

101 your Internation.
Please refer to page 3a for detailed Description of process.
Note: B3 Continues on page 3a

#### SECTION B

#### B3. Cont.

- 1. <u>Molding</u> Molded parts are manufactured using two molding processes: injection (thermoplastic materials) and Compression (thermoset materials). No wastewater are generated in this process. RAW MATERIALS USED: Melamine, Polypropylene, Nylon, Urea, Valox, PVC
- 2. <u>Metal Stamping</u> All metal parts, i.e., brackets, contacts, terminals, etc., are made using metals that come in roll, and presses of different sizes. No wastewater are generated in this process.

RAW MATERIALS USED: Brass, Cold Rolled Steel, Bronze, Copper.

3. <u>Electroplating</u> — Most metal parts are coated for protection or identification using one or more of the following electroplating processes: zinc, nickel, tin, and copper. Wastewater are generated in this process from rinse.

RAW MATERIALS USED: See page 4a for list of substances.

4. <u>Assembly</u>. All metals and plastic components are assembled into a final final products. No wastewater are generated in this process.

Page 3a

#### SECTION B: WASTEWATER INFORMATION

If your facility employs processes in any of the 34 industrial categories or business activities listed below and any of these processes generate wastewater or wastesludge, place a check beside the category or business activity (check all that apply).

Industrial	Classificat	ion •
THOUSLITAL	CTGGGTTTCGC.	rom:

Other

2. () 3. () 4. () 5. () 6. () 7. () 8. (X) 9. () 10. () 11. () 13. () 14. () 15. () 17. () 18. () 19. () 21. () 22. () 23. () 24. () 25. () 26. () 27. () 28. () 30. () 31. () 32. ()	Adhesives Aluminum Forming Auto & Other Laundries Battery Manufacturing Coal Mining Coil Coating Copper Forming Electric & Electronic Components Electroplating Explosives Manufacturing Foundries Gum & Wood Chemicals Inorganic Chemicals Iron & Steel Leather Tanning & Finishing Mechanical Products Nonferrous Metals Ore Mining Organic Chemicals Paint & Ink Pesticides Petroleum Refining Pharmaceuticals Photographic Supplies Plastic & Synthetic Materials Plastics Processing Porcelain Enamel Printing & Publishing Pulp & Paper Rubber Soaps & Detergents Steam Electric Textile Mills Timber
Dairy Produ	<del>-</del>
_	leat Packing/Rendering
<del></del>	Products Processor
Beverage Bo	
other: Lis	
4	

SECTION	B (C	ont.)
PRODUCT	SERVICE	INFORMATION
INDUSTRY	NAME	

Date April 27, 1990  Changes that may alter the chemistry of prevailing procand quality of waste water within the next 12 months.  Yes No _X  If Yes, briefly describe new process and or chemicals and those to be replaced. See instructions:  Substances which may be discharged into sewer, common an technical names, physical and chemical properties:  NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTION See page 4a for list of substances	Yes X	No		
Changes that may alter the chemistry of prevailing procand quality of waste water within the next 12 months.  Yes No _X  If Yes, briefly describe new process and or chemicals and those to be replaced. See instructions:  Substances which may be discharged into sewer, common an technical names, physical and chemical properties:	If Yes: %6	±%	Date	April 27, 1990
Substances which may be discharged into sewer, common an technical names, physical and chemical properties:  NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances	Changes that may	alter the	chemistry	of prevailing proce
Substances which may be discharged into sewer, common an technical names, physical and chemical properties:  NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances	Yes	No <u>х</u>		
NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  '	If Yes, briefly and those to be	describe ne replaced.	w process See instr	and or chemicals actions:
NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  '			•	
NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  '				
NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  '				
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NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  '				•
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NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  '				
NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  '				
NAME (COMMON/TECHNICAL) ' PHYSICAL-CHEMICAL PROPERTI See page 4a for list of substances  ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '				
See page 4a for list of substances		-	-	<u>-</u>
See page 4a for list of substances		-	-	<u>-</u>
See page 4a for list of substances		-	-	<u>-</u>
	technical names,	physical a	nd chemica	al properties:
	technical names,  NAME (COMMON/T	physical a	nd chemica	al properties:
1	technical names,  NAME (COMMON/T	physical a	nd chemica	al properties:
	technical names,  NAME (COMMON/T	physical a  ECHNICAL) ' ist of subst'	PHYSICA	al properties:
T T T T T T T T T T T T T T T T T T T	technical names,  NAME (COMMON/T	physical a ECHNICAL) ' ist of subst'	nd chemica PHYSICA ances	al properties:
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	technical names,  NAME (COMMON/T	physical a ECHNICAL) ' ist of subst'	PHYSICA	al properties:
	technical names,  NAME (COMMON/T	physical a ECHNICAL) ' ist of subst'	PHYSICA	al properties:

### CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ PLANT

5/29/90

SECTION B

\_\_\_B\_6\_\_

#### LIST OF HAZARDOUS MATERIALS

		٠.			
* TRADE NAME	<del>*</del>	USED ON	*	MSDS	*
* EKOLASID 355 MAKE UP	*	PLATING	*	EKO-5	*
* EKOLASID 356	<del>*</del>	PLATING	<del>*</del>	_EKO-6	<del>*</del>
* MAGNUS BRIGTH DIP S	*	PLATING	*	JD-9	<del>*</del>
* ALKALOX 89	*	PLATING	*	<u>ALKA</u>	<del>*</del>
* METEX NICKEL BRIGHTENER #30	*	PLATING	*	18130	*
* METEX NICKEL BRIGHTENER #14	*	PLATING	*	18114	*
* METEX NICKEL BRIGHTENER #33	<u>*</u>	PLATING	*	18133	*
* QUATRASID	*	PLATING	*	QUAT	*
* MACRO POLISH 5F	*	PLATING	*	18652	<del>*</del>
* SODIUM HYDROXIDE	<u>*</u>	PLATING	<u>*</u>	_3	<del>*</del>
* BORIC ACID	*	PLATING	*	4	*
* SULFURIC ACID	*	PLATING	<del>*</del>	2	*
* STANNOUS SULFATE	*	PLATING	<del>*</del>	14	*
* HYDROCHLORIC ACID	*	PLATING	*	30-A	*
* NICKEL SULFATE	*	PLATING	*	WDECO	*
* ZINC BALL ANODES	<del>*</del>	PLATING	*	MDSOS	<del>*</del>
* POTASSIUM CHLORIDE	<del>*</del>	PLATING	*	KCL	<del>*</del>
* ACTIVATED CHARCOAL	<del>*</del>	PLATING	<del></del>	CARB	*
* NICKEL PURIFIER	<u>*</u>	PLATING	<u>*</u>	18190	*
* PICTAX	*	PLATING	*	PTAX	*
* SODIUM METABISULFITE	<u>*</u>	PLATING	*	_WD2Q9	*
* TIN ANODE	*	PLATING	<u>*</u>	TB-1	*
* NICKEL ANODE	*	PLATING	<del>*</del>	NIK	<del>*</del>
* COPPER ANODE	*	PLATING	*	COAN	<u>*</u>
* PROTECTIVE OIL	<del>*</del>	PLATING	*	<u>OSPO</u>	*
* Z-242	*	PLATING	<del>*</del>	EBZ-242.	*
* MACRO COLOR 153	<u>*</u>	PLATING	*	18673	<u>*</u>
* KENVERT NO. 170-S	<u>*</u>	PLATING	*	10619	<del>*</del>
* ZINC CHLORIDE	*	PLATING	*	ZNCL	<del>*</del>
* HYDROGEN PEROXIDE		PLATING	· *	HYPER	*
* WETTING AGENT # 12-A	<u>*</u>	PLATING	*	18112	₩
* CONTACT TIN #1	<del></del>	PLATING	<del>*</del>	13301	
* CONTACT TIN #2	*	PLATING	<del>*</del>	_13302	<del>*</del>
* ROTO-BRITE XL-309	*	<u>PLATING</u>	<del>*</del>	_XL-309	
* ROTO-BRITE L-326	¥	<u>PLATING</u>	· *	_L=326	*
* SODIUM CHLORIDE	*	PLATING	*	NaCL	*
* ALUMINUM SULFATE	<del>*</del>	PLATING	<del>*</del>	ALUM	<u>*</u>
* MAGNUS SPRAY NO. 205	<u>*</u>	RANSOHOFF	<del>*</del>	916387	*
* MAGNUS MAGNU DRAW 10	*	PRESSES	*	JD-6	*
* MAGNUS DO-5	<del></del>	PRESSES	<del>*</del>	JD-7	
* VANISHING OIL	<u>*</u>	PRESSES	<del>X</del>	VANISH	*
* MOBIL DTE 26	<u>*</u>	MOLDING	* (	502649	₩

SECTION B (Cont.)
PRODUCT SERVICE INFORMATION
INDUSTRY NAME

в7.	Hazardous materials, corrosive, explosive, flammable, toxic materials handle in the plant; give the technnical and common name (s) and the hazard or danger involved:
	PLEASE REFER TO PAGES NUMBERED 5a and 5b FOR A COMPLETE
	LISTING BY AREAS:
	·

### LIST OF HAZARDOUS MATERIALS

* TRADE NAME	*	USED ON	*	MSDS	<del>*</del>
* MAGNUS MAGNU DRAW 10	*	PRESSES	*	JD-6	<del>*</del>
* MAGNUS DO-5	<del>*</del>	PRESSES	*	JD-7	*
* VANISHING DIL	<del>*</del>	PRESSES	*	VANISH	<del>*</del>
* GREASE EP NO. 1	<del>*</del>	PRESSES	<u>*</u>	<u>G-1</u>	*
* GREASE EP NO. O	<del>*</del>	PRESSES	*		<del></del>
* PRINTING INK	<u>*</u> C	ENTRAL PACK	*	<u>INK</u>	<del>*</del>
* CA-6 SPRAY ADHESIVE	<u>* C</u>	ENTRAL PACK	<del>*</del>	CA-6	<del>*</del>
* WD-40	<del>*</del>	ASSEMBLY	<u>*</u>	1030	<del>. X</del>
* RTV SILICONE RUBBER SEALANT	<del>*</del>	ASSEMBLY	*	108	<del>*</del>
* MOBIL DTE 26	*	MOLDING	<del>*</del>	602649	<del>*</del>
* CLEAN COAT MOLD PROTECTOR	<del>*</del>	MOLDING	*	G-316	<del>*</del>
* DELVAC 1220	<u>*</u> C	OMPRESSORS	<del>*</del>	440669	<b>*</b>
* PROPANE	*	TOOL ROOM	*	LPG	*
* ARGON	*	TOOL ROOM	<del>*</del>	ARGON	*
* OXYGEN	*	TOOL ROOM	*	OXIGEN	*
* ACETYLENE	. <b>*</b>	TOOL ROOM	*	ACETYLENE	*
* SAFETY KLEEN 105 SOLVENT-MS	*	TOOL ROOM	*	105-MS	*
* OAKITE FORMULA 59	*	BODINES	*	OF-59	*
* MAGNUS SPRAY NO. 205	*	RANSOHOFF	*	916387	*
* EKOLASID 355 MAKE UP	*	PLATING	*	EKO-5	*
* EKOLASID 356	*	PLATING	*	EKO-6	*
* MAGNUS BRIGTH DIP S	*	PLATING	*	JD-9	*
* ALKALOX 89	*	PLATING	*	ALKA	*
* METEX NICKEL BRIGHTENER #30	*	PLATING	*	18130	*
* METEX NICKEL BRIGHTENER #14	*	PLATING	*	18114	*
* METEX NICKEL BRIGHTENER #33	*	PLATING	*	18133	*
* QUATRASID	*	PLATING	*	QUAT	*
* MACRO POLISH 5F	*	PLATING	*	18652	<del>*</del>
* SODIUM HYDROXIDE	*	PLATING	*	3	<del>*</del>
* BORIC ACID	*	PLATING.	*	4	*
* SULFURIC ACID	*	PLATING	*	9	<del>*</del>
* STANNOUS SULFATE	*	PLATING	*	14	<del>*</del>
* HYDROCHLORIC ACID	*	PLATING	*	30-A	*
* NICKEL SULFATE	*	PLATING	*	WD200	*
* ZINC BALL ANODES	*	PLATING	*	WD202	*
* POTASSIUM CHLORIDE	*	PLATING	*	KCL	*
* ACTIVATED CHARCOAL	*	PLATING	*		*
* NICKEL PURIFIER	*	PLATING	*	18190	*
* SODIUM METABISULFITE	*	PLATING	<b>*</b>	MD503	*
* TIN ANODE	*	PLATING	*	TB-1	*
* NICKEL ANODE	<del>*</del>	PLATING	<del>*</del>	NIK	*
* COPPER ANODE	*	PLATING	*	COAN	*
* PROTECTIVE DIL	*	PLATING	*	OSPO	*
* Z-242	*	PLATING	*	EBZ-242	*

000015

### LIST OF HAZARDOUS MATERIALS

*	MACRO COLOR 153	<b>.</b> ₩	PLATING	*	18673	*
*	KENVERT NO. 170-S	₩	PLATING	<u>*</u>	10619	*
*	ZINC CHLORIDE	₩	PLATING	<b>*</b>	ZNCL	*
*	HYDROGEN PEROXIDE	*	PLATING	<del>. X</del>	HYPER	<b></b>
*	WETTING AGENT # 12-A	¥	PLATING	*	18112	*
*	ROTO-BRITE XL-309	-¥-	PLATING	*	XL-309	*
*	ROTO-BRITE L-326	*	PLATING	¥	L-326	*
*	SODIUM CHLORIDE	- <b>X</b> -	PLATING	*	NaCL	- <del>X</del> -
*	ALUMINUM SULFATE	-¥-	PLATING	-¥∙	ALUM	*
*	CONTAX II	- <b>X</b> -	MAINTENANCE	-*-	CONTX	*
*	XUPER 18 XFC	-¥-	MAINTENANCE	*	BE15	*
. <b>*</b>	XUPER 1020XFC	-}≮-	MAINTENANCE	*	B012	- <del>X</del> -
*	DYLEK AEROSOL	-¥-	MAINTENANCE	-¥-	DYLEK	*
**	MR TRIPLE ZERO	*	MAINTENANCE	-¥-	3576	- <b>X</b> -
*	ZIP-ZORB	-}≮-	MAINTENANCE	*	WD3036	- <b>*</b> -
*	KEROSENE	*	MAINTENANCE	*	KER-01	*
**	SURE GRIP	*	MAINTENANCE	*	SG	*
*	ACETYLENE	*	MAINTENANCE	<b>*</b>	ACETY	*
- <del>X</del> -	OXYGEN	- <b>X</b> -	MAINTENANCE	*	OXYGEN	*
*	ARGON	-¥-	MAINTENANCE	-*-	ARGON	*

SECTION O	g i kan sa sang kalabasan	 Service Co.	
FACILITY	OPERATION		
INDUSTRY	NAME		

2 <b>2 2 2</b>	<b>TO</b> V. (	G TO GILLIAM ODERA WION
5 ECT	TON C	C: FACILITY OPERATION
cl.	Ope	rational Status:
	In	operation XXX Closed
C2.	Ope:	rational Mode:
	Shi	ft - From 7:30 AM To 4:30 PM, To 12:30 AM To 7:30 AM
		ch: Number of batches per working hours  ches per hrs.
C3.	var	iations in Operation:
	a.	Continuous throughout the year (check)
	b.	Seasonal: Circle production months and underline peak production months:
		JFMAM,JJA*SOND
	c.,	Continuous throughout the week (check) XX
	đ.	Or circle production days during the week and underline maximum production days:  S M T W T F S
		Scheduled shut down periods: during the year:
		PLEASE REFER TO PAGE 6a FOR DETAILED INFORMATION  From To
		Reason: FOR VACATION AND MAINTENANCES .
	•	

000017

SECTION\_C

<u>C3.d</u>

Scheduled Shut-downs

1990

May 29 to June 8

July 2 - 6

July 23 - Ago. 3

Dicember 24 - 31

SECTION (	3 * * * * * * * * * * *	- 2 :	
FACILITY	OPERATION		,
INDUSTRY	NAME		

C4.	Was	tewater Discharge Periods:
	a.	Wastewater discharge daily: From N/A To
	b.	Days of the week that discharge take place. Circle the days and underline maximum discharge days:
		N/A S M T W T F S
•	C .,	Clean up discharge periods:
		1. Daily: From N/A To
		Circle days of the week that clean ups take place:
		N/A S M T W T F S
		2. Month (s) of the year that clean ups take place
		Month/Week Month/Week

Note: Please refer to page 7a for detailed explanation

### APPENDIX

### C-5A PERSONNEL DISTRIBUTION TABLE

	. I	II	III	TOTAL
	7:30 AM	4:30 PM	12:30 AM	
Shift Hours	to 4:30 PM	to 12:30 AM	to 7:30 AM,	
'Maintenance	109	14	4	127
Administration	43	2		45
Office	18			18

Grand Total 190

PAGE 7b

SECTION D WATER USAGE AND DISPOSAL

INDUSTRY NAME

SECTION	D:	WATER	USAGE	AND	DISI	20SAL

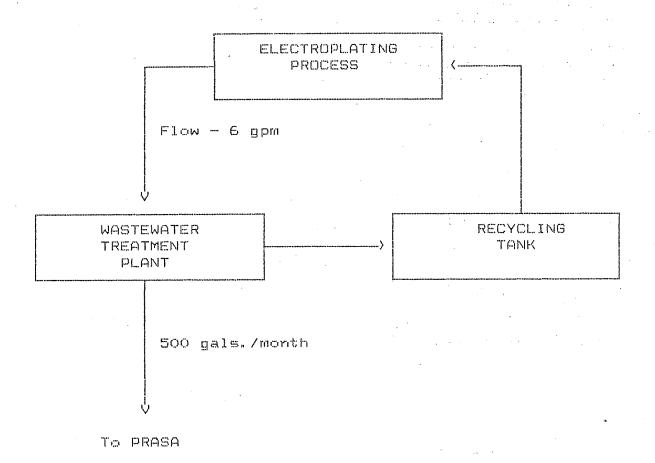
1. Electroplating	g Process. Electroplating of itity of 10,000 galons per o	f metal parts.
Estimated quar	itity of 10,000 galons per	day
Sewer systems av	ailable within plant pre	mises - see in
Domestic (XX)	Process ( xx ) Oily	( ) Storm
Water supply sou or measured.	rces. State if quantiti	es are estimat
Source `	Monthly Average	Daily Maxi
P.R. Aqueduct	472.741 gal/mo.	15454 gals
Private Well	•	
River-		····
Sea Water		
Other		***************************************
Water treatment instructions:	given to each of the wat	er sources - s
	N/A	

SECTIO	D NC	(Cont.)	
WATER	USAGE	AND DISPOSAL	

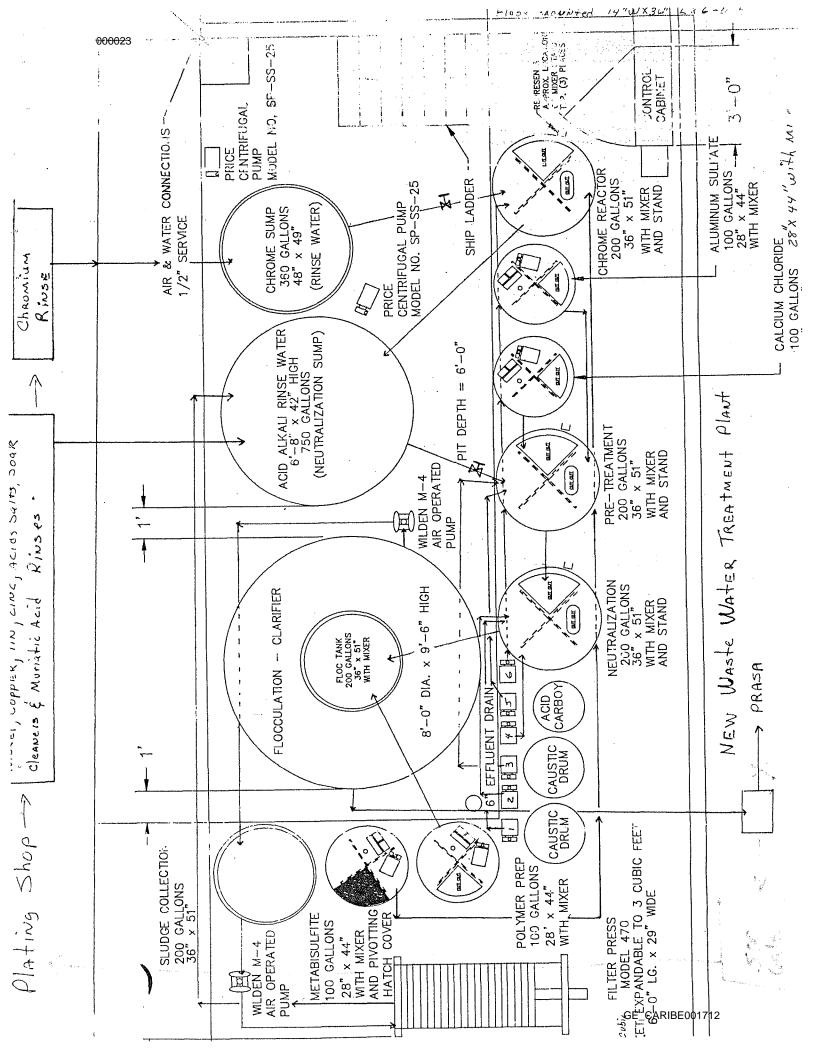
INDUSTRY NAME

	Usage	Source	Monthly	Average		Daily Maxim	um
	Domestic		47,556	gals.		2113.6 gals	
	Process		225,000	gals.		10000.00 gal	s.
	Cooling		77,139	gals.		3428.00 gal	s.
	Boiler				٠.		
	Plant						
	Fire		,				
		<del></del>					
	Other (Specify)		•				
6.	Other	ow diagram ling waste w ties, waste	of the plan water with l water sour	its invol ine size ce, inje	.ved es, p	in the re- process and	е
6.	Other (Specify)  Describe any a process fl cycle includ water quanti	ow diagram ling waste w ties, waste	of the plan water with l water sour	its invol ine size ce, inje	.ved es, p	in the re- process and	e
6.	Other (Specify)  Describe any a process fl cycle includ water quanti	ow diagram ling waste w ties, waste	of the plan water with l water sour	its invol ine size ce, inje	.ved es, p	in the re- process and	e
6.	Other (Specify)  Describe any a process fl cycle includ water quanti	ow diagram ling waste w ties, waste	of the plan water with l water sour	its invol ine size ce, inje	.ved es, p	in the re- process and	e
6.	Other (Specify)  Describe any a process fl cycle includ water quanti	ow diagram ling waste w ties, waste	of the plan water with l water sour	its invol ine size ce, inje	.ved es, p	in the re- process and	e
6.	Other (Specify)  Describe any a process fl cycle includ water quanti	ow diagram ling waste w ties, waste	of the plan water with l water sour	its invol ine size ce, inje	.ved es, p	in the re- process and	e

#### Wastewater Recycling Process



The used process waters from the Electroplating Operation are treated in the Wastewater Treatment Plant. The resulting treated waters are transferred into a holding tank to be used again in the Electroplating Operation. Once per month we are discharging an estimated 500 galons into PRASA to lower the water levels an replenish with fresh water.

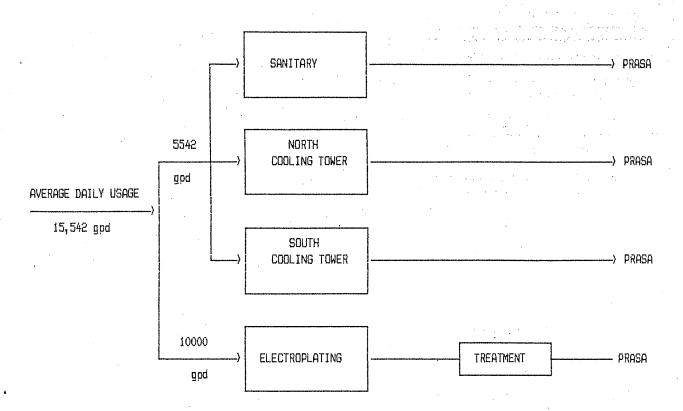


SECTION D	(Cont.)
WATER USAGE	AND DISPOSAL

### INDUSTRY NAME

From (Genera	tion)	Monthly Av	erage	Daily <u>Maximum</u>	Point Discharge
Domestic		47 <b>,</b> 556 g	als.	2113 gals.	SEWER PRAS
Process					
Tower Blowdo	wn				
Boiler Blowd	own				
Plant	··				
Cooling		77,139 g	als.	3428 gals.	SEWER PRAS
Fire			Monta fundamenta de la compansión de la co		
Drains:				•	
a) colu	nns				
b) tank:	5	, .			
c) line:	5				
d) other					
Rain					
waste water flow diagrams facility analy	, efficie	discharging ency, and o	into PR r inlet a	nd outlet	facilities ties. Inc of pretreat:

#### WATER BALANCE



Average Daily Usage = Annual Usage/365 = 21472cm/365 = 58.83 cm/dia

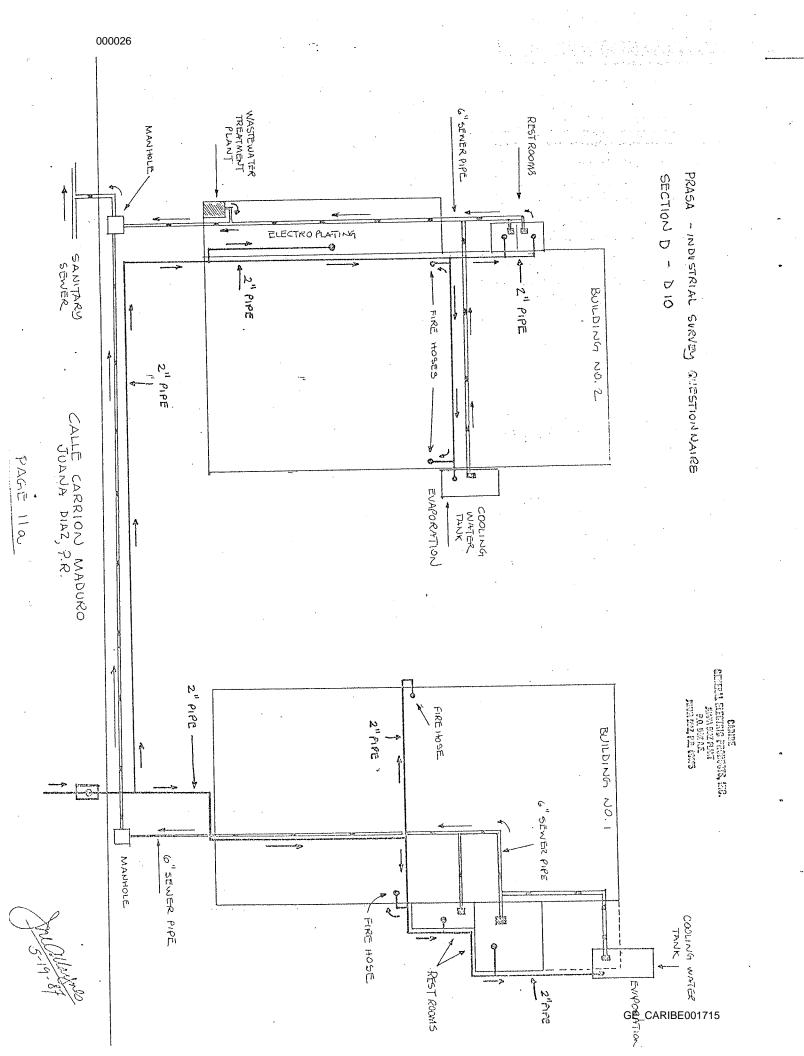
- 1. Average Daily Usage \_\_\_\_\_\_58.83 \_\_\_\_cm X 264.2 gals/cm = \_\_\_\_15,542 gals.
- 2. Electroplating Usage 37.85 cm x 264.2 gals/cm = 10,000 gals.
- 3. Sanitary Usage 

  20.97

  4. North Cooling Tower 

  cm x 264.2 gals/cm = 5,542 gals.

  5. South Cooling Tower



SECTION D (Cont.)
WATER USAGE AND DISPOSAL
INDUSTRY NAME

J9.	wate add:	er: volume, means, discharge point, hauler name and ress, discharge permit number and typical analysis of te water:
	a.	Wastewater sourceN/A
	b.	Rate of volume generated —
	c.	Transportation means, rate of dumps and procedure
	đ.	Hauler name address
	e.	Discharge site
	f.	Wastewater analysis
	g.	Discharge Permit No Date permit issued
	h.	Briefly explain the reason to dispose of this water by trucking

Dlo. Diagramatic water balance: Provide a diagramatic water balance from inlet flow to plant premises to discharge into PRASA facilities. Make a material balance of the water around each piece of equipment showing inlet volumes, outlet volumes, evaporation losses, process usage, drains.

Indicate water source, line size and flows, flow measuring facilities drain sizes, type of receiving sewers and sewer discharge sites. Include in the diagram pretreatment facilities.

Please refer to page 11a for diagram

SECTION	1 E	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tigen in the second	
SLUDGE	GENERATION	AND	DISP	OSAL
				<del>_</del>

El.	Describe type of sludge: where, how is generated, chemical reactions involved, physical methods of separation, etc.
	The sludge generated consists of metal hydroxide formed from the chemical reaction of the different metals, as they come from the plating tanks, and NaOH Caustic Soda.
E2.	Rate of volume or weight1000 lbs./month
E3.	Transportation procedure and means From Filter Press to Polyethylene Bag.
E4.	Containers: bags XXX , drums, dump trucks, other
E5.	Hauler's Name  Juan E. Hernandez Inc. (WRC World Resources Company) Recycling Facility
	Hauler Address 8113 West Sherman, Phoenix, AZ 85043
E6.	Sludge disposal: shippedxx, incineration, dumped and location
E7.	Provide sludge characterization, complete analysis.
E8.	Provide a bill of lading or official document of last two sludge shipments or transportation records.

### ENVIROLABS INC.

### INDUSTRIAL AND ENVIRONMENTAL LABORATORIES

January 29, 1990

Caribe General Electric, Inc. P.O. Box AE Juana Diaz, Puerto Rico 00665

Attn.: Mr. Stephen Brown

Dear Mr. Brown:

The report enclosed contains the results of analyses performed to determine the hazardous characteristics of the sample submitted.

The analyses were performed following the Environmental Protection Agency guidelines for characterization of Hazardous Wastes.

Please review the report and call us if any further information is needed.

Cordially yours,

Tris M. Chévere

rgo

Enclosures

### **ANALYSIS REPORT**

SAMPLE IDENTIFICATION:
Sample from Caribe General Electric Poducts, Inc.

December 22, 1989

Identified as **Electroplating Sludge** 

Envirolabs No. 32-521

### HAZARDOUS CHARACTERISTICS

IGNITABILITY:

Hazardous Wastes Number D OCI

Sample does not exhibit the characteristics of ignitability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes."

Flash Point, PMCC ...... Not ignitable

CORROSIVITY:

Hazardous Wastes Number D 002

Sample does not exhibit the characteristics of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes."

pH ..... 7.8 S.U. @ 25°C

REACTIVITY:

Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes."

< 10 PPM Sulfide ..... < 10 PPM Cyanide .....

#### ANALYSIS REPORT

### SAMPLE IDENTIFICATION:

Sample from Caribe General Electric Products, Inc. Identified as **Electroplating Sludge**December 22, 1989
Envirolabs No. 32-521

E.P.A. HAZARDOUS		MAXIMUM CONTAMINANT
WASTE NUMBER	E.P. TOXICITY METALS IN SAMPLE	LEVEL ALLOWED
D 004	Arsenic, As < 0.2 mg/l	5.0 mg/l
D 005	Barium, Ba < 1.0 mg/l	100.0 mg/l
D 006	Cadmium, Cd < 0.1 mg/l	1.0 mg/l
D 007	Chromium, Cr 7.4 mg/l	5.0 mg/1
D 008	Lead, Pb < 0.1 mg/l	5.0 mg/1
D 009	Mercury, Hg < 0.1 mg/l	0.2 mg/l
D 010	Selenium, Se < 0.2 mg/l	1.0 mg/l
D 011	Silver, Ag < 0.1 mg/l	5.0 mg/l

Sample --does-- exhibit the characteristics of E.P. Toxicity (Metals) according to the U.S. Environmental Protection Agency, Manual SW 846, Test Methods for Evaluating Solid Wastes.

SECTION F SPILL PREVENTION FACILITIES

INDUSTRY NAME

SECT	ION	F: SPILL PREVENTION FACILITIES
Fl.	a.	Location of facilities Plating
	b.	Type of facilites and materials intended to confine Containment around process tanks - Process Wastewater
	c.	Pretreatment given to spillsSame as process water
	đ.	Disposition or discharge point of discarded liquid including rain water Passed throug the process water Pre-Treatment Plant
		rre-Treadment rant

### SECTION G: PRIORITY POLLUTANT INFORMATION

Priority Pollutant Information: Please indicate by placing an "x" in the appropriate box by each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a by-product.

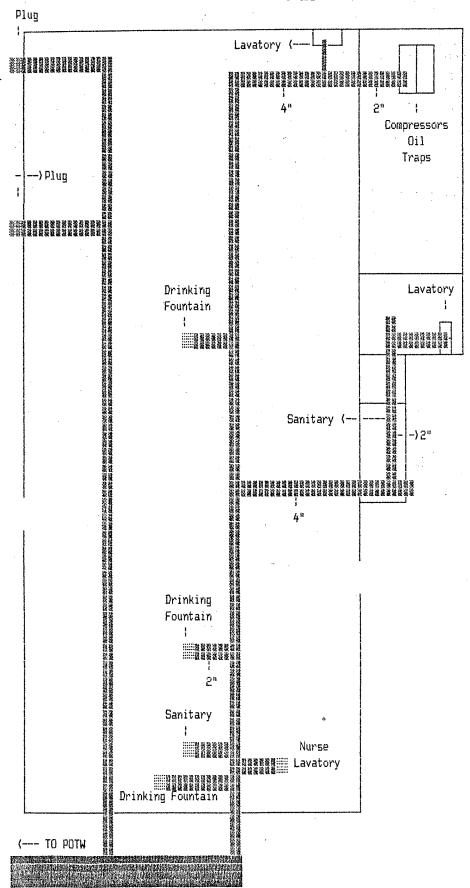
CHEMICAL. COMPOUND	Faces Tressa	bespected Present	Knows .	Parect de la constant	Enove of Suspected Concentration/day	CHEMICAL. COMPOUND	Esema Trassat	Suspected Treess	Kapen	Part of the Cod	Kapus of Suspected Coecesitation/day
I. HETALS & INORGANICS		<i>i</i>							•		
1. Antimony 2. Armenic 3. Ambemton 4. Beryllium 5. Cadmium 6. Chromium 7. Copper 8. Cyanide						32. Benzene, 1,2,4-trichloro 33. Benzene, hexachioro 34. Benzene, ethyl 35. Beozene, nitro 36. Toluene 37. Toluene, 2,4-dinitro 38. Toluene, 2,6-dinitro					
9. Lead 10. Hercury 11. Nickei 12. Selenium 13. Silver 14. Thallium 15. Zinc			X X X X X			1V. PCBs & RELATED COMPOUNDS  39. PCB-1016 40. PCB-1221 41. PCB-1232 42. PCB-1242 43. PCB-1248			txi txi txi txi		
IL. PHENOLS AND CRESOLS			for l			44. PCB-1254 45. PCB-1260 46. 2-Chloronaphthalene			X X		
16. Phenol(s) 17. Phenol, 2-chloro 18. Phenol, 2,4-dichloro 19. Phenol, 2,4,6-trichloro 20. Phenol, pentachloro 21. Phenol, 2-nitro 22. PHenol, 4-nitro 23. Phenol, 2,4-dinitro 24. Phenol, 2,4-dimethyl 25. m-Cresol, p-chloro 26. o-Cresol, 4,6-dinitro						47. Ether, bis(chloromethyl) 48. Ether, bis(2-chloromethyl) 49. Ether, bis(2-chloromethyl) 50. Ether, 2-chloromethyl vinyl 51. Ether, 4-bromophenyl phenyl 52. Ether, 4-chlorophenyl phenyl 53. Bis(2-chloromethoxy) methane					
III. MONOCYCLIC AROMATICS (EXCLUDING PHENOLS, CRESOL AND PHTHALATES)  27. Benzene 28. Benzene 29. Benzene, chloro 29. Benzene, 1,2-dichloro 30. Benzene, 1,3-dichloro 31. Benzene, 1,4-dichloro	.s					VI. NITROSAMINES AND OTHER NITROGEN-CONTAINING COMPOUNDS  54. Nitrosamine, dimethyl 55. Nitrosamine, diphenyl 56. Nitrosamine, di-n-propyl 57. Benxidine 58. Benxidine, 3,3'-dichloro 59. Hydraxine, 1,2-diphenyl 60. Accylonitriis					<u>=</u>

	HICAL POUND	Lord	Suspected Present		Auspected Absent	Lauren er Suspected Gencentration/day	CHENICAL COMPOUND	Theoret Theoret Lean	Paractor Charactor	East of East Control
61. He 62. He 63. Ha 64. He 65. He 66. Ho 67. He 68. He 70. He 71. Et 73. Et 74. Et 77. Et 78. Et 77. Et 78. Et 78. Et 80. Ec 81. Et 82. Pr 84. Bu 85. Cy VIII. P 86. Ph 87. Ph 88. Ph 90. Ph	thane, bromo- thane, chioro- thane, dichloro thane, chlorodibromo thane, dichlorobromo thane, tribromo thane, trichloro thane, trichloro thane, trichloro thane, trichlorofluoro thane, i,1-dichloro hane, i,1-dichloro hane, i,1,2-trichloro hane, i,1,2-trichloro hane, i,1,2-trichloro hane, i,1,2-trichloro hane, i,1,2-trichloro hane, i,1-dichloro hane, trichloro hane, trichloro hane, trichloro hane, thloro hane, thloro hane, trichloro hane, trichloro hane, trichloro hane, trichloro hane, trichloro hane, trichloro thane, i,1-dichloro thane, trichloro thane, trichlor			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	have the second		95. Benzo (a) anthracene 96. Benzo (b) fluoranthene 97. Benzo (k) fluoranthene 98. Benzo (ghi) perylene 99. Benzo (a) pyrene 100. Chrysene 101. Dibenzo (a,n,) anthracene 102. Fluoranthene 103. Fluorane 104. Indeno (1,2,3-cd) pyrene 105. Naphthalene 106. Phenanthrene 107. Pyrene  X. PESTICIDES  108. Acrolein 109. Aldrin 110. BHC (Alpha) 111. BHC (Bata) 112. BHC (Gama) or Lindane 113. BHC (Delta) 114. Chlordane 115. DDD 116. DDB 117. DDT 118. Dieldrin  119. Endosulfan (Alpha) 120. Endosulfan (Bota) 121. Endosulfan Sulfate 122. Endrin 123. Endrin sldehyde 124. Heptachlor 125. Heptachlor apoxide			
92. Ac. 93. Ac	LYCYCLIC AROMATIC DROCARBONS enaphthene enaphthylene thracege			k k k			126. leophorone 127. TCDD (or Dioxin) 128. Toxephene	[ ] [X] [ ] [X] ] ] [X]		

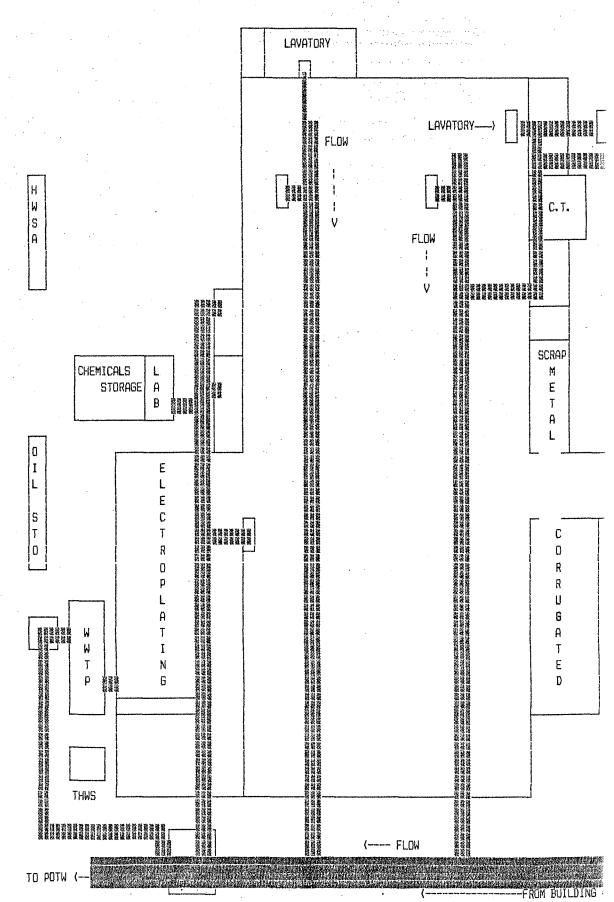
If you are unable to identify the chemical constituents of products you use that discharged in your wastewater, attach copies of the materials eafety date sheets for such products.

A . . .

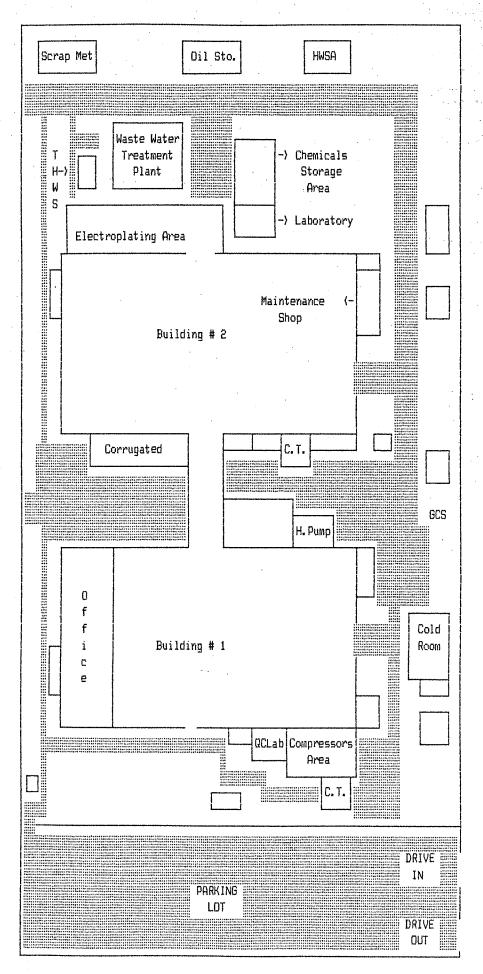
### SEWER WATER FLOW BUILDING # 1



SEWER WATER FLOW BUILDING # 2



GE\_CARIBE001725



PLANT SITE

SE CARIBE00172

192 VILLA STREET • PONCE P.R. • TEL. (787) 841-7373 • FAX (787) 841-7313

## **ANALYSIS REPORT**

SAMPLE IDENTIFICATION:

BOI - T Used

December 19. 1997

General Electric Juana Diaz

Lab Name: Beckton Environmental Laboratories

Sampler: L. Meléndez

Matrix: Liquid

Lab. sample ID:

BEL-9708129

Sample wt/vol: 100 (g/mL) mL

Lab. File ID: 9708129TCL

Column: (pack/cap)

capillary

Date Received: 12/03/97

## MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
· · · · · · · · · · · · · · · · · · ·	METALS (SW-846 6010	0/7470)		
D004 D005 D006 D007 D008 D009 D010 D011	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	0.0483 0.2496 0.3816 0.2066 0.9066 <0.0004 0.1224 0.0127	0.002 0.00009 0.00015 0.0006 0.002 0.0004 0.002 0.00075	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0

## 192 VILLA STREET • PONCE P.R. • TEL. (787) 841-7373 • FAX (787) 841-7313

Analysis Report Page -2-

SAMPLE IDENTIFICATION: BEL-9708129

## HAZARDOUS CHARACTERISTICS

IGNIGTABILITY: Hazardous Waste Number D 001

The sample does NOT exhibit the characteristic of ignigitability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Flash point >140

CORROSITIVITY: Hazardous Wastes Number D 002

The sample does NOT exhibit the characteristic of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

The pH of the sample was 8.65 S.U. @ 21.0°C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide <10 ppm (500 ppm limit) Cyanide <10 ppm (250 ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Rafael Laboratory Director

Chemist License No. 1888

Rafael Infante Mendez

# CHAIN OF CUSTODY RECORD

PROJECT NO.		СОМР		eneval Electri	`c J.	vanci	Diaz	SAMPLER L. Mela	en dez
SAMPLE LOCATIO	N/CLIENT I	D		B01-	T U	, <b>5</b> € <	1	ттме	12:09p- CONTROL NO.
SAMPLE DATE				12	12/3/97				1708129 22922
1. General Environ	mental:								
Acidity	(,)			Alkalinity		(	)	Relinquished by:	
Ammonia as N	( )			Bicarbonate		(	)	$\int_{\Gamma} \int_{\Gamma} \int_{\Gamma$	
BOD-5	( )			Bromide		(	)	- Jan 4. 12	
Chloride	( )			Chlorine, Res.		(	)	- (\\\\)	D:20 2M
COD	( )			Color (ADMI)		(	)	Date/Time: 12/3/9	1 12.20 751
Conductivity	( )			Color (Pt-Co)		(	)	7 /	,
Dissolved Oxygen	( )			Cyanide		(	)	Received by:	
Hardness	( )			Fluoride		(	)	11111	1/2
Moisture %	( )			Iodine		(	)	31-11-11-	4,
Nitrite Oil+Grease	( )			Nitrate		(	)	Date/Time: 12/3/97	12:2111-
Phenol	( )			Nitrate + Nitrite pH		(	)	Date/Ime	12.210
Phosphorus, Total	( )			Phosphate, Ortho		(	)	Relinquished by:	
Sett. Solids mg/L	( )			Sett. Solids mL/L			)	Reinquished by.	, / 0
Sulfate	( )			Solids, Total		~	)	1. d. Mul.	-d, ( -
Sulfite	( )			Sulfide		ì	)	. /	
TDS	( )			Surfactant		ì	í	Date/Time: /2/3/9	7 1:300-
Temperature	· ( )			TSS		ì	í		<i>y</i> - <i>y</i> -
TOC	( )			TKN		ì	)	Received by:	0
Asbestos in air	( )			Turbidity		(	)	Mista	Kinen
2. Metals								12 11 05	
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time: 2-4.9	8:00 BM
Chromium	(Cr)	(	)	Соррег	(Cu)	(	)		
Iron	(Fe)	(	)	Lead	(Pb)	(	)		
Manganese	(Mn)	(	)	Mercury	(Hg)	(	)	Matrix:	
Nickel	(Ni)	(	)	Selenium	(Se)	(	)	air ( )	
Silver	(Ag)	(	)	Tin	(Sn)	(	)	water ( )	
Zinc	(Zn)	(	)	Arsenic	(As)	(	)	sludge ( ) soil ( )	
Barium	(Ba)	(	)	Boron	(B)	(	)	solid ( )	
Antimony Bismuth	(Sb)	(	)	Beryllium Calcium	(Be)	(	)	oil ( )	
Chromium, VI	(Bi) (CrVI)	(	)	Cobalt	(Ca)	(	)	mixed ( )	
Magnesium	(Mg)	(	)	Molybdenum	(Co) (Mo)	(	)	other (× )	Specify: /iguid
Potassium	(K)	(	) }	Silicon	(Si)	(	ì	· · · · · · · · · · · · · · · · · · ·	
Sodium	(Na)	(	)	Strontium	(Sr)	(	)		
Thallium	(Tl)	Ò	)	Titanium	(Ti)	ì	Ś	Turnaround time:	
Vanadium	(V)	$\sim$	)	A HALLIONA	(11)	(	,		
	` '	`	,					1 day ( )	
3. RCRA/Hazardo	us wastes							2 days ( )	
Ignitability (Flash I	Pt.)	(X	( )	Corrosivity		(X-	)	3 days ( )	
Reactivity (CN & S		(X	. )	TCLP		(	)	5 days ( )	
RCRA Metals 7c	LP	(K	)	Organics-Pest/Herb		(	)	Note: normal turnsround time i	s ten (10) working
Organics-BNA TOX		(	)	Organics-VOA		(	)	days; additional charges of orders	pply for rush
4. Specific Organic	es	,		On at Walter Cont.		,	`	Sample type legend:	
Volatiles		(	)	Semi-Volitiles (BNA	1)	(	)	grab samples	x
Pesticides/PCB's Herbicides		(	)	PCB's Only TPH/Diesel (TPH/D	<i>)</i> )	(	)	composite samples	
BTEX		(	)	TTO	••	(	í	composite samp	· <del></del>
TTO & Dioxin		(	)	OTHER (Specify)		(	)		
5. Microbiology		`	,			`	,		
Fecal Coliform		(	)	Total Coliform		(	)		
CVIIIVIIII		•	,	Comom		`	,		
Comments:									ENTAL LABORATORIES
								192 Villa Street ♦ Ponce,	
								Tel.: 809-841-7373 ♦ Fax	.: 809-841-7313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### **Scope And Application**

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

Definition

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- . it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Sample type:

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

**Project Number:** A number given to the project, optional. The name of the Company. If there companies with the same name, specified the city Company: (place). Site were samples are obtained or specific project for which samples are collected. Sampler: Each sampler is identified. BEL ID Number: Laboratory Identification Number unique for each sample and assigned by Beckton. Control No.: A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples. Date: A six digit number indicating day of collection, month and the year. Time: A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed. Sample matrix: Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4) The following preservatives must be always employed:
Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;
H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other
parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

# BECKTON ENVIRONMENTAL LABORATORIES INC.

192 VILLA STREET • PONCE P.R. • TEL. (787) 841-7373 • FAX (787) 841-7313

# ANALYSIS REPORT

SAMPLE IDENTIFICATION: Evaporator Sludge - G.E., Fab. (Juana Díaz)

September 2, 1997

Lab Name: Beckton Environmental Laboratories

Sampler: E. Arias

Matrix: Water

Lab. sample ID:

BEL-9704876

Sample wt/vol: 1000/5.0 (g/mL) mL

Lab. File ID: 9704876TCL

Column: (pack/cap)

capillary

Date Received:

08/08/97

Date Analyzed:

08/15/97 (V) 08/15/97 (H)

08/15/97 (P)

08/13/97 (SV)

## MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
METALS (SW-846 6010/7470)			
Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	0.1315 0.2275 0.3598 0.0402 1.767 0.0021 0.0285 0.0080	0.002 0.00009 0.00015 0.0006 0.002 0.0004 0.002 0.00075	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0
PESTICIDES (SW-846 8080)			
Chlordane Endrin Heptachlor (and its OH) Lindane Methoxychlor Toxaphene	N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.0005 0.004 0.010 0.025	0.03 0.02 0.008 0.4 10.0 0.5
	METALS (SW-846 6010/7470)  Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver  PESTICIDES (SW-846 8080)  Chlordane Endrin Heptachlor (and its OH) Lindane Methoxychlor	METALS (SW-846 6010/7470)  Arsenic 0.1315 Barium 0.2275 Cadmium 0.3598 Chromium 0.0402 Lead 1.767 Mercury 0.0021 Selenium 0.0285 Silver 0.0080  PESTICIDES (SW-846 8080)  Chlordane N.D. Endrin N.D Heptachlor (and its OH) N.D. Lindane N.D. Methoxychlor N.D.	CONTAMINANT         RESULTS (mg/L)         LIMIT (mg/L)           METALS (SW-846 6010/7470)         0.1315 0.002           Barium 0.2275 0.00009         0.0009           Cadmium 0.3598 0.00015         0.0006           Chromium 0.0402 0.0006         0.002           Lead 1.767 0.002         0.002           Mercury 0.0021 0.0004         0.002           Selenium 0.0285 0.002         0.002           Silver 0.0080 0.00075         0.002           PESTICIDES (SW-846 8080)         N.D. 0.002           Chlordane Endrin N.D 0.002         N.D. 0.002           Heptachlor (and its OH) N.D. 0.0005         N.D. 0.004           Lindane N.D. 0.004         N.D. 0.004           Methoxychlor N.D. 0.010

N.D. - not detected

GE\_CARIBE001732

# BECKTON ENVIRONMENTAL LABORATORIES INC.

# 192 VILLA STREET • PONCE P.R. • TEL. (787) 841-7373 • FAX (787) 841-7313

Analysis Report Page -2-

SAMPLE IDENTIFICATION: BEL-9704876

EPA HAZRDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	HERBICIDES (SW-846 8150)	WARRANGE CO.		
D016 D017	2,4-D 2,4,5-TP (Silvex)	N.D. N.D.	. 25 . 10	10.0 1.0
}	VOLATILE ORGANICS (SW-846	8010; 8015	; 8021)	
D018 D019 D021 D022 D027 D028 D029 D035 D039 D040 D043	Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Methyl Ethyl Ketone Tetrachloroethylene Trichloroethylene Vinyl Chloride	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	. 040 . 040 . 040 . 040 . 040 . 040 . 040 . 040 . 040 . 040	0.5 0.5 100.0 6.0 7.5 0.5 0.7 200.0 0.7 0.5
	SEMI-VOLATILE ORGANICS (S	W 8270)		
D023 D024 D025 D030 D032 D033 D034 D036 D037 D038 D041	o-Cresol m-Cresol p-Cresol 2,4-Dinitrotoluene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pentachlorophenol Pyridine 2,4,5-Trichlorophenol	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	.002 .002 .002 .002 .002 .002 .002 .002	200.0 200.0 200.0 0.13 0.5 3.0 2.0 100.0 5.0 400.0 2.0

N.D. - not detected

## BECKTON ENVIRONMENTAL LABORATORIES INC.

192 VILLA STREET • PONCE P.R. • TEL. (787) 841-7373 • FAX (787) 841-7313

Analysis Report Page -3-

SAMPLE IDENTIFICATION: BEL-9704876

## HAZARDOUS CHARACTERISTICS

IGNIGTABILITY: Hazardous Waste Number D 001

The sample does NOT exhibit the characteristic of ignigitability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Flash point >140 °F

CORROSITIVITY: Hazardous Wastes Number D 002

The sample does NOT exhibit the characteristic of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

The pH of the sample was 10.22 S.U. @ 21°C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide <10 ppm (500 ppm limit) Cyanide <10 ppm (250 ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdd, Rafael Infante Laboratory Director Chemist License No. 1888 Rafael Infante Méndez ALIG7990000

# CHAIN OF CUSTODY RECORD

PROJECT NO.	COMPANY	G.E. Jua	na D	inz		SAMPLER	E.	Avin	
SAMPLE LOCATION	N/CLIENT ID	Evap	90 ral 8-8-	fur	5/ndg	je.	тіме	930k	CONTROL NO.
SAMPLE DATE			8-8-	97			BEL. NO.	9704876	17138
1. General Environn	nental:								
Acidity	( )	Alkalinity		( )		Relinquish	hed by:	$\cap$	er Factor
Ammonia as N	( )	Bicarbonate		( )	* ;-	11.		v2. V ∵	ì
BOD-5	( )	Bromide		( )			ox H.	or A	
Chloride	( )	Chlorine, Res.		( )		// /	( \ ala	Kan \	9:40 AW
COD	( )	Color (ADMI)		( )		Date/Tim	<u> </u>	19-	4,70 A1
Conductivity	( )	Color (Pt-Co)		( )		V	911		
Dissolved Oxygen	( )	Cyanide		( )		Received	by:	1	
Hardness	( )	Fluoride		( )			50	1/2	
Moisture %	( )	Iodine		( )			C.L.		
Nitrite	( )	Nitrate		( )			C/	8-57	9.601
Oil+Grease	( )	Nitrate + Nitrite		(		Date/Tim	e: <i>8</i> -	-8 - 1 /	1.60%
Phenol	( )	рH		( ; ).					
Phosphorus, Total	(: )	Phosphate, Ortho		( )		Relinquis	hed by:	- 1	
Sett. Solids mg/L	( )	Sett. Solids mL/L		è i		ŕ		Ed L	
Sulfate	( )	Solids, Total		i i					
Sulfite	( )	Sulfide		è i			e <sup>n</sup> 2	0 ( 0 )	
TDS	( )	Surfactant		$\vec{C}$		Date/Tim	le: 8	-8-57	
Temperature	( )	TSS		( )					
TOC	( )	TKN		( )		Received	bv:		
Asbestos in air	( )	Turbidity		( )		5 (	Mark	Win	
2. Metals							6) 4		( 0 - 4) 1
Aluminum	(Al) ( )	Cadmium	(Cd)	( )		Date/Tim	ue:	.97	4:20PM
Chromium	(Cr) ( )	Copper	(Cu)	i i					
Iron	(Fe) ( )	Lead	(Pb)	( )					
Manganese	(Mn) ()	Mercury	(Hg)	7		Matrix			
Nickel	(Ni) ( )	Selenium	(Se)	( )			air (	)	
Silver	(Ag) ( )	Tin	(St)	( )			water	<b>∞</b> ∫	
Zine		Arsenic	(As)	( )			sludge (	, ·	
Barium	(Zn) ( ) (Ba) ( )	Boron	(B)	( )			soil (	j .	
Antimony	(Sb) ( )	Beryllium	(Be)	( )			solid (	)	
Bismuth	(Bi) ( )	Calcium	(Ca)	( )			oil (	j	
Chromium, VI	(CrVI) ( )	Cobalt	(Co)	( )			mixed (	ý	
	, , , ,	Molybdenum	(Mo)	( )	`		other (	) Specify:	
Magnesium Potassium	(Mg) ( )	Silicon	(Si)	( )	,		(	) -r ·/	
Sodium	(K) ( ) (Na) ( )	Strontium	(Sr)	( )					
Thallium		Titanium	(Ti)	( ) ( )		Turnarou	ind time:		
Vanadium	(Ti) ( ) (V ) ( )	Пишин	.(11)	. (1.4			,		
v unadium							1 day (	)	
3. RCRA/Hazardou	is wastes						2 days (	)	
Ignitability (Flash P		Corrosivity		(X)	ı		3 days (	)	
Reactivity (CN & S		TCLP		$(\mathbf{x})$			5 days (	)	
RCRA Metals	$(\hat{\mathbf{x}})$	Organics-Pest/Herb		. (😿 )		Note:	normal turner sund	time is ten (10) working	
Organics-BNA	· (X)	Organics-VOA		$(\hat{\mathbf{x}})$			days; additional ch	arges apply for rush	
TOX	( )	Organics VOII		(**)	er.		orders		
4. Specific Organic	s E.A					Sample t	ype legend:		
Volatiles	X	Semi-Volitiles (BNA	)	( )	, .				
Pesticides/PCB's	( )	PCB's Only		( )	)		grab sample		
Herbicides	( )	TPH/Diesel (TPH/D	)	( )	)		composite sa	amples xx	
BTEX	, ( )	TTO		( )	)				
TTO & Dioxin	· · · · · · · · · · · · · · · · · · ·	OTHER (Specify) _		. ( )	)				
5. Microbiology									
Fecal Coliform	( )	Total Coliform		( )	)				
Comments:	Field Blo	ak-9714	877					NMENTAL LAF	BORATORIES
	Field Bla	1 - 97048	12			192 Villa	a Street 🕈 Poi	nce, PR 00731	
	TOP P		-0			Tel.: 809	9-841-7373 ♦	Fax.: 809-841-7	313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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Chain of custody shall be completed using black waterproof ink. The information recorded should include:

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- Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
  - (2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
  - (3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
  - The following preservatives must be always employed:

    Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;

    H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.



# ANALYSIS REPORT

Att.: Mrs. Nancy Texeira General Electric- Juana Díaz

Date: May 2, 1997

Lab Name: Beckton Environmental Laboratories

Contract: General Electric

Lab. sample ID: BEL-9702427 Date: 04/25/97

Description: Cooling Tower #2

Lab. file ID: BEL9702427

Sampled by: E. Arias

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-9702427
pH Temperature Aluminum Cadmium Cr, Total Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc BOD5 COD Oil & Grease SS Cyanide TSS Flash Point	150.1 170.1 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 245.1 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 300.7(ICAP) 405.1 410.4 413.1 Std. Method 335.2 160.1 SW-846 1010	Spot Spot Grab Grab Grab Grab Grab Grab Grab Grab	S.U. °C mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	8.92 27.0 0.1121 <0.00015 0.0032 0.0217 0.0755 <0.002 0.0086 <0.0004 0.002 <0.002 <0.002 <0.00181 26.9 126.6 7.6 <4.0 <0.02 <4.0 >140

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee

Lcdo. Teodoro V QA/QC Officer Quiñones Muñiz

Chemist License 3215

Teodoro V Quitiones Muffiz Lic.#3215 463342

# CHAIN OF CUSTODY RECORD

PROJECT NO.		CO1	MPAI	٧Y	GE J	Thone	D	62	SAMPLER	Edwin Aris
SAMPLE LOCATION	N/CLIEN	LID			Cool	ria To	?ist G	-#2		TIME 10.45 Ar CONTROL NO.
SAMPLE DATE					٧٠٠	- 25-				BEL. NO. 9702427 7719
1. General Environr	nental:									
Acidity	( )				Alkalinity		(	)	Relinquish	ed by:
Ammonia as N	( )				Bicarbonate		(	)	$\mathcal{I}_{\mathcal{I}}$	nu Lesleira
BOD-5	(X)				Bromide		(	)	110	ney Extern
Chloride	( )				Chlorine, Res.		(	)		Orlandon History
COD	(X)				Color (ADMI)		(	)	Date/Time	: 4/25/97 11:00a.m.
Conductivity	( )				Color (Pt-Co)		(	)	4	
Dissolved Oxygen	( )				Cyanide		( <b>X</b>	)	Received l	by:
Hardness	( )				Fluoride		(	)		Ca // ·
Moisture %	( )				Iodine		(	)		Continue Con
Nitrite	( )				Nitrate		(	)		: 4-25-97 11.00k
Oil+Grease	(×)				Nitrate + Nitrite		(	392	Date/Time	: P 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Phenol	( )				pН		(X	)		
Phosphorus, Total	( )				Phosphate, Ortho		(	)	Relinquish	ied by:
Sett. Solids mg/L	(X)				Sett. Solids mL/L		(	)		Sa-CT
Sulfate	( )				Solids, Total		(	)		
Sulfite	( )		<i>a.</i>		Sulfide		(	)	- m	4-25-97 12:40 AL
TDS	( )	27	U		Surfactant		(	)	Date/Time	
Temperature	(X)				TSS		( 🗶	)	n : 11	
TOC	( )				TKN		(	)	Received	
Asbestos in air	( )				Turbidity		(	)		Minta Kinen
2. Metals										4,25-97 1:15PM
Aluminum	(Al)		<b>X</b> )	)	Cadmium	(Cd)	(X	)	Date/Time	:4,25-97 1:15PM
Chromium	(Cr)	1	<b>( %</b>	)	Copper	(Cu)	(火	)		
Iron	(Fe)	1	<b>(</b> )/	)	Lead	(Pb)	( X			
Manganese	(Mn)	1	( ×	)	Mercury	(Hg)	( 💉		Matrix:	
Nickel	(Ni)		(X		Selenium	(Se)	( ×	)		air ( )
Silver	(Ag)		<b>( X</b>	)	Tin	(Sn)	ж)	)		water (*)
Zinc	(Zn)		( <u>)</u>	)	Arsenic	(As)	(	)		sludge ( )
Barium	(Ba)		(	)	Boron	(B)	(	)		soil ( )
Antimony	(Sb)		(	)	Beryllium	(Be)	(	)		solid ( )
Bismuth	(Bi)		(	) .	Calcium	(Ca)	(	)		oil ( )
Chromium, VI	(CrV	I)	(	)	Cobalt	(Co)	(	)		mixed ( )
Magnesium	(Mg)		(	)	Molybdenum	( <b>M</b> o)	(	)		other ( ) Specify:
Potassium	(K)		(	)	Silicon	(Si)	(	)		
Sodium	(Na)		(	)	Strontium	(Sr)	(	)	Тимпологи	ad time.
Thallium	(Tl)	(			Titanium	(Ti)	(	)	Turnarou	nd ume.
Vanadium	( <b>V</b> )	1	(	)						1 day ( )
3. RCRA/Hazardo		_								2 days ( )
•			1 4	`	Correctivity		(	1		3 days ( )
Ignitability (Flash I	,		( * ·		Corrosivity TCLP		(	)		5 days ( )
Reactivity (CN & S RCRA Metals	"		(	)	Organics-Pest/Hert	,	(	)	Note:	normal turnaraund time is ten (10) working
Organics-BNA			(	)	Organics-Pest/Hero	•	(	)	.,,,,,,	days; additional charges apply for rush
TOX			(	)	Organics-VOA		(	,		orders
4. Specific Organic	es								Sample ty	ype legend:
Volatiles			(	)	Semi-Volitiles (BN	<b>A</b> )	(	)		
Pesticides/PCB's			(	)	PCB's Only		(	)		grab samples x
Herbicides			(	)	TPH/Diesel (TPH/	D)	(	)		composite samples xx
BTEX			(	)	TTO		(	)		
TTO & Dioxin			(	)	OTHER (Specify)		(	)		
5. Microbiology										
Fecal Coliform			(	)	Total Coliform		(	)		
										ON THE THOUSAND THE TARGET AND A TOP THE
Comments:										ON ENVIRONMENTAL LABORATORIES  Street ♦ Ponce, PR 00731
										9-841-7373 ♦ Fax.: 809-841-7313
									x vi 002	and the second of the second o

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Sampler: Each sampler is identified.

BEL ID Number:

Laboratory Identification Number unique for each sample and assigned by Beckton.

Control No.:

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Date: Customers will utilize this number for determining status of samples.

A six digit number indicating day of collection, month and the year.

Time: A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed.

Sample matrix: Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab.

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving

will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

- (3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
- (4) The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992



## ANALYSIS REPORT

SAMPLE IDENTIFICATION: Tierra de Mantenimiento

March 5, 1997

G.E., Juana Diaz

Lab Name: Beckton Environmental Laboratories

Sampler: L. Rivera Matrix: Sludge

Lab. sample ID:

BEL-9700918

Sample wt/vol:

25 (g/mL) g

Lab. File ID: 9700918TCLP

Column: (pack/cap)

capillary

Date Received:

02/20/97

Date Extracted: 02/24/97

Date Analyzed: 02/20/97

## MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	METALS (SW-846 6010-7470)			
D004 D005 D006 D007 D008 D009 D010	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	N.D. 1.655 0.0307 0.0008 N.D. N.D. N.D.	0.002 0.00009 0.00015 0.0006 0.002 0.0004 0.002 0.00075	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo. Teodoro V Quiñones Muñ

QC Officer

Chemist Lićense 3215

Teodoro V Quiñones Muniz Lic. # 3215 A 452187

CO LICENC

192 VILLA STREET PONCE, P.R. 00731 TEL: (787) 841-7373 FAX (787) 841-7313



March 5, 1997

## **ANALYSIS RESULTS**

Lab Name: Beckton Environmental Laboratories

Contract: G.E. Juana Diaz

Att.: Mr. José Castro

Project: G.E. Juana Diaz

Lab. File ID: BEL9700920

Sampled by: Client

SAMPLE I.D

DESCRIPTION

SAMPLING DATE

ANALYSIS DATE

BEL-9700920

Muestra #1

02/20/97

02/26/97

ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY
(40 CFR Ch.1 Pt. 763, Subpt. F, Appendix A. 7/1/87)

SAMPLE	Asbestos Present or Absent	Type of Asbestos	Other Fiberous Material Present	Non- Fiberous Material Present	Friable/ Non- Friable
BEL-9700920	Absent	None 0%	Cellulose 40%	Carbonaceous & Non- Carbonaceous Material 60%	Friable

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo. Teodoro V Quiñones Muñiz

QC Officer/

Chemist License 3215

192 VILLA STREET PONCE, P.R. 00731 Teodoro V Quiñones
Miniz
Lic. # 3215
A 452130

TEL: (787) 841-7373 FAX (787) 841-7313

GE\_CARIBE001741



March 5, 1997

## **ANALYSIS RESULTS**

Lab Name: Beckton Environmental Laboratories

Contract: G.E. Juana Diaz

Att.: Mr. José Castro

Project: G.E. Juana Diaz

Lab. File ID: BEL9700921

Sampled by: Client

SAMPLE I.D

DESCRIPTION

SAMPLING DATE

ANALYSIS DATE

BEL-9700921

Muestra #2

02/20/97

02/26/97

ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY POLARIZED LIGHT MICROSCOPY (40 CFR Ch.1 Pt. 763, Subpt. F, Appendix A. 7/1/87)

SAMPLE	Present	Type	Fiberous	Fiberous	Friable/
	or	of	Material	Material	Non-
	Absent	Asbestos	Present	Present	Friable
BEL-9700921	Absent	None 0%	Fiberglass 35%	Carbonaceous & Non- Carbonaceous Material 65%	Friable

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo. Teodoro

QC Officer

Chemist License 3215

Teodoro V Quifiones
Mufiiz
Lic # 3915

Lic.#3215 A 452197

Quiñones Muñiz

192 VILLA STREET PONCE, P.R. 00731 TEL: (787) 841-7373 FAX (787) 841-7313



## ANALYSIS REPORT

SAMPLE IDENTIFICATION: Dron #67

G.E., Juana Díaz

Dicember 6, 1996

Lab Name: Beckton Environmental Laboratories Sampler: W. Orengo

Matrix: Solid

Lab. sample ID:

BEL-23527

Sample wt/vol: 200/25.0 (g/mL) g

Lab. File ID: 23527TCL

Column: (pack/cap)

capillary

Date Received: 11/18/96

Date Extracted: 11/19/96 Date Analyzed: 12/05/96 (SV)

MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	SEMI-VOLATILE ORGANICS (S	₩ 8270)		
D023 D024 D025 D030 D032 D033 D034 D036 D037 D038 D041 D042	o-Cresol m-Cresol p-Cresol 2,4-Dinitrotoluene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pentachlorophenol Pyridine 2,4,5-Trichlorophenol	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002	200.0 200.0 200.0 0.13 0.13 0.5 3.0 2.0 100.0 5.0 400.0 2.0

N.D.- not detected

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Răfăe1' Laboratory Director

Chemist License 1868

Rafael Infante Méndez

LIC. #1888



January 10, 1997

## ANALYSIS RESULTS

Lab Name: Beckton Environmental Laboratories

Contract: GE - Juana Díaz

Att.: Ms. Nancy Texeira

Lab. File ID: BEL23351

Sampled by: Client

SAMPLE I.D

DESCRIPTION

SAMPLING DATE

ANALYSIS DATE

BEL-23351

Material para ser removido 11/12/96

11/22/96

## ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY POLARIZED LIGHT MICROSCOPY (EPA METHOD 600/R-93/116, July 1993)

Asbestos Other | Non-SAMPLE Present Fibrous Fibrous Type or of Material Material Absent Present Asbestos Present BEL-23351 Present Chrysotile None Non- Carbonaceous Carbonaceous

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Laboratory Director Chemist License 18

Lcdov Rafael Infant

Rafael Infante Méndez

LIC. #1888

# CHAIN OF CUSTODY RECORD

PROJECT NO.	CO	MPANY	M.E. I	uan,	1	DIAZ	SAMPLER N. Vern N. Texeira
SAMPLE LOCATIO	N/CLIENT ID			shen			TIME 1:30 PM CONTROL NO
SAMPLE DATE				11-12-96			BEL. NO. 2335/ 1450
1. General Environ	mental:						
Acidity	( )		Alkalinity		(	)	Relinquished by:
Ammonia as N BOD-5	( )		Bicarbonate		(	)	
Chloride	( )		Bromide		(	)	
COD	( ) .		Chlorine, Res.		(	)	Data Tima.
Conductivity	( )		Color (ADMI)		(	)	Date/Time:
Dissolved Oxygen	( )		Color (Pt-Co)		(	)	Received by:
Hardness	( )		Cyanide Eluacida		(	)	Received by:
Moisture %	( )		Fluoride Iodine		(	)	- Mas Lucy Vin
Nitrite	( )		Nitrate		(	)	7/192
Oil + Grease	( )		Nitrate + Nitrite		(	)	Date Fime: (11-12-96 /: 44)
Phenol	( )		pH		(	,	Date of the
Phosphorus, Total	( )		Phosphate, Ortho		(	)	Relinquished by:
Sett. Solids mg/L	( )		Sett. Solids mL/I		(	,	Reiniquished by.
Sulfate	( )		Solids, Total	_	(	· ·	Acra Timin Ver
Sulfite	( )		Sulfide			,	Mary Mary 100
TDS	<i>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </i>		Surfactant		(	)	Date/Time: //-12-96 /.40/1
Temperature	( )		TSS		(	)	Date/Time. 11 /2 10
TOC	( )		TKN		(	)	Received by:
Asbestos in air	( )		Turbidity		(	)	Parel Bernudez
2. Metals							
Aluminum	(Al)		Cadmium	(Cd)	(	1	Date/Time: 11/12/9/0 4:18 PM
Chromium	(Cr) (	( )	Соррег	(Cu) (Cu)	(	)	Date/Time.
Iron	(Fe)	( )	Lead	(Pb)	(	)	
Manganese	(Mn)	( )	Мегсигу	(Hg)	(	· ·	Matrix:
Nickel	(Ni)	( )	Selenium	(Se)	(	í	аіг ( )
Silver	(Ag)	· · ·	Tin	(Sn)	ì	Ś	water ( )
Zinc	(Zn)	<u>`</u>	Arsenic	(As)	ì	í	sludge ( )
Barium	(Ba)	<u> </u>	Boron	(B)	ì	Ś	soil ( )
Antimony	(Sb)	( )	Beryllium	(Be)	ì	Ś	solid ( )
Bismuth	(Bi)	( )	Calcium	(Ca)	(	j j	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	(	)	mixed ( )
Magnesium	(Mg)	( )	Molybdenum	(Mo)	(	, )	other (X) Specify: Oslah
Potassium	(K)	( )	Silicon	(Si)	(	)	• •
Sodium	(Na)	( )	Strontium	(Sr)	(	) .	
Thallium	(Tl) (	)	Titanium	(Ti)	(	)	Turnaround time:
Vanadium	(V) (	) .					
*							1 day ( )
3. RCRA/Hazardou							2 days ( )
Ignitability (Flash I	,	( )	Corrosivity		(	)	3 days ( )
Reactivity (CN & S	5)	( )	TCLP		(	)	5 days ( )
RCRA Metals		( )	Organics-Pest/He	егь	(	)	Note: normal turnar aund time is ten (10) working
Organics-BNA TOX	ı	( )	Organics-VOA		(	)	days; additional charges apply for rush orders
4. Specific Organic	es						Sample type legend:
Volatiles	ı	( )·	Semi-Volitiles (E	BNA)	(	)	1 71 0.00
Pesticides/PCB's		( )	PCB's Only	,	ì	)	grab samples x
Herbicides		<u>(</u> )	TPH/Diesel (TPI	H/D)	į.	)	composite samples xx
BTEX		<u>(</u> )	TTO		į.	)	
TTO & Dioxin		( )	OTHER (Specify	<i>/</i> )	(	)	
5. Microbiology							
Fecal Coliform		( )	Total Coliform		(	)	
Comments:	1566	ノぐブ	o Bul	K.			BECKTON ENVIRONMENTAL LABORATORIES
Comments.				- 1 -			192 Villa Street ♦ Ponce, PR 00731
							Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

# Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

Definition

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
  - it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
  - it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

4.

2.

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Beckton's ling to the Market by Goodwales species on

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: Company:

A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Sampler: BEL ID Number: Control No.:

Sample matrix:

Sample type:

Date:

Time:

Each sampler is identified.

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples. A six digit number indicating day of collection, month and the year.

A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed. Check appropriate space for the following sample matrix: water; solid; air, sludge, soil,

solid, mixed waste, or other. In the event other is selected specify the sample matrix. Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be labeled to the laboratory of the laboratory.

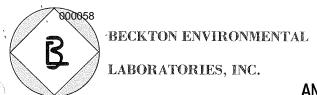
legible. If not legible, print name above signature.

Note:

- (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
- (2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
- (3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
- (4) The following preservatives must be always employed:
  Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;
  H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.



# ANALYSIS REPORT

SAMPLE IDENTIFICATION: Dron #67

G.E., Juana Diaz

Dicember 4, 1996

Lab Name: Beckton Environmental Laboratories

Sampler: W. Orengo

Matrix: Solid

Lab. sample ID:

BEL-23527

Sample wt/vol: 200/25.0 ( g/mL) g

Lab. File ID: 23527TCL

Column: (pack/cap)

capillary

Date Received:

11/18/96

Date Extracted: 11/19/96

Date Analyzed:

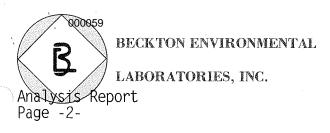
11/23/96 (V)

12/02/96 (H) 11/24/96 (P)

## MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)	
<i></i>	METALS (SW-846 6010/7470)				
D004 D005 D006 D007 D008 D009 D010 D011	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	N.D. 0.0991 0.0577 0.0075 0.0207 0.0280 0.0091 0.0020	0.002 0.0009 0.00015 0.0006 0.002 0.0004 0.002 0.00075	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0	
	PESTICIDES (SW-846 8080)				
D020 D012 D031 D013 D014 D015	Chlordane Endrin Heptachlor (and its OH) Lindane Methoxychlor Toxaphene	N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.0005 0.004 0.010 0.025	0.03 0.02 0.008 0.4 10.0 0.5	

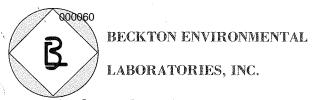
N.D.- not detected



SAMPLE IDENTIFICATION: BEL-23527

EPA HAZRDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	HERBICIDES (SW-846 8150)			
D016 D017	2,4-D 2,4,5-TP (Silvex)	N.D. N.D.	. 25 . 05	10.0 1.0
	VOLATILE ORGANICS (SW-846	8010; 8015;	8021)	
D018 D019 D021 D022 D027 D028 D029 D035 D039 D040 D043	Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Methyl Ethyl Ketone Tetrachloroethylene Trichloroethylene Vinyl Chloride	N.D. N.D. N.D. 0.0523 N.D. N.D. N.D. N.D.	.040 .040 .040 .040 .040 .040 .040 5.00 .040 .04	0.5 0.5 100.0 6.0 7.5 0.5 0.7 200.0 0.7 0.5

N.D.- not detected



Analysis Report Page -3-

SAMPLE IDENTIFICATION: BEL-23527

IGNIGTABILITY: Hazardous Waste Number D 001

Flash point. Not applicable. The U.S. Environmental Protetion Agency have not published a method to determine flammability of solid samples.

The samples identified above does not have any of the properties defined and assigned to ignitable liquid wastes.

CORROSIVITY: Hazardous Wastes Number D 002

Sample does not exhibit the characteristics of corrosivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

pH not applicable. However, for handling purposes the pH of the sample measured in water was 7.34 at  $24^{\circ}$  C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide < 10 ppm (500 ppm limit) Cyanide < 10 ppm (250 ppm limit)

> Rafael Infante Méndez

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

192 VILLA STREET PONCE, P.R. 00731

Laboratory Director Chemist License 1888

# CHAIN OF CUSTODY RECORD

PROJECT NO.		сомр	'ANY	GE- Jua	na l	l'az	SAMPLER W. Orenso
SAMPLE LOCATION	/CLIENT I	D		Dro	Ni	467	TIME 2:05Pm CONTROL NO.
SAMPLE DATE					1/- 1	18-96	BEL. NO. 23527 10997
1. General Environm	ental:						\$ 180, 7 pm .
Acidity	(. )			Alkalinity		( )	Refinquished by:
Ammonia as N	( )			Bicarbonate		( )	
BOD-5	( )			Bromide		( )	yany Leperra
Chloride	( , )			Chlorine, Res.		( )	
COD	( )			Color (ADMI)		( )	Date/Time: 11-18-96 2:40p.
Conductivity	( )			Color (Pt-Co)		( )	
Dissolved Oxygen	( )			Cyanide		( )	Received by:
Hardness	( )			Fluoride		(, )	11/1/1/1/1/1
Moisture %	( )			Iodine		( )	- War - To
Nitrite	( )			Nitrate		( )	- 11 10 0 - 2:1100
Oil+Grease	( )			Nitrate + Nitrite		( )	Date/Time: 11-18-56 2:4000
Phenol	( )			pН		( )	N P - 11 (1)
Phosphorus, Total	( )			Phosphate, Ortho		( )	Relinquished by:
Sett. Solids mg/L	( )			Sett. Solids mL/L		(-)	ledt N_
Sulfate	( )			Solids, Total		( )	<u> </u>
Sulfite	( )			Sulfide		( )	Date/Time: 11-18-96 3:25 6
TDS	( )			Surfactant		( )	Date/Time: 77 5 5 5
Temperature	( )	••		TSS		( )	Descional land
TOC	( ( )			TKN		( )	Received by:
Asbestos in air	( )			Turbidity		( )	Carol Berning
2. Metals			1				- COUNTY ASSISTANCE OF THE PROPERTY OF THE PRO
2. Metais Aluminum	(AT)	,	```	Codesium	(C4)		Date/Time: ///8/96 9,01 PM
Chromium	(Al)	(	:)	Cadmium	(Cd) (Cu)	( )	Date/Time.
Iron	(Cr)	. (	)	Copper	(Pb)	( )	,
	(Fe)	(	)	Lead	• ,	( )	Matrix:
Manganese Nickel	(Mn) (Ni)	(	,	Mercury Selenium	(Hg) (Se)	( )	air ( )
Silver	(Ag)	- (	- )	Tin	(Se)	( ) 527	water ( )
Zinc	(Zn)	(	,	Arsenic	(As)	( )	sludge ( )
Barium	(Ba)	(	)	Boron	(B)	( )	soil ( )
Antimony	(Sb)	(	,	Beryllium	(Be)	( )	solid (🗶)
Bismuth	(Bi)	. (	· .	Calcium	(Ca)	( )	oil ()
Chromium, VI	(CrVI)		, , . , , .	Cobalt	(Co)	( )	mixed ( )
Magnesium	(Mg)	Ò	γ΄.	Molybdenum	(Mo)	( )	other ( ) Specify:
Potassium	(K)	(	, `	Silicon	(Si)	( )	
Sodium	(Na)	Č	, 1	Strontium	(Sr)	( )	
Thallium	(Tl)	ì	Ý	Titanium	(Ti)	. ( )	Turnaround time:
Vanadium	(V)	(	·).		()		
			,				1 day ( )
3. RCRA/Hazardous	wastes						2 days ( )
Ignitability (Flash Pt		()	<b>(</b> 5)	Corrosivity		$(\boldsymbol{\mathcal{X}})$	3 days ( )
Reactivity (CN & S)		( ·	<b>\( \)</b>	TCLP		( <b>X</b> ) ( <b>X</b> )	5 days ( )
RCRA Metals		( ,	X	Organics-Pest/Herb	)	$(\mathcal{X})$	Note: normal turnar and time is ten (10) working
Organics-BNA		دٌ )	$\langle C \rangle$	Organics-VOA		<b>(X</b> )	days; additional charges apply for rush
TOX		Ì	)			Jan Carlotte	or der s
4. Specific Organics						3.00 mg/s	Sample type legend:
Volatiles		(	)	Semi-Volitiles (BN	A)	( )	
Pesticides/PCB's		(	)	PCB's Only		( )	grab samples x
Herbicides		(	)	TPH/Diesel (TPH/	D)	( )	composite samples xx
BTEX		(	)	TTO		( )	
TTO & Dioxin		(	)	OTHER (Specify)		( )	
5. Microbiology							
Fecal Coliform		(	)	Total Coliform		( )	
Comments	100	1.	1.	BIL 3	35	73	BECKTON ENVIRONMENTAL LABORATORIES
Comments:	9	- K	n U	77, 3	ررر		192 Villa Street ♦ Ponce, PR 00731

## PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

## Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or 2.
  - it is in your view, after being in your possession, or
- it was in your possession and you locked it up, or
- it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

## Procedure for filling chain-of-custody forms

ulatus, Ati

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: Company:

A number given to the project, optional

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Sampler: **BEL ID Number:** Control No.:

Each sampler is identified.

Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples.

Date: Time: A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed.

Sample matrix:

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type:

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab.

Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

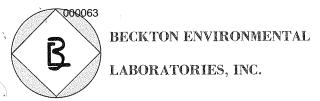
legible. If not legible, print name above signature.

Note:

- (1)The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
- Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These (2)procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
- If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper (3)disposal.
- (4)The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992



# ANALYSIS REPORT

SAMPLE IDENTIFICATION: Used Bio-T

December 4, 1996

G.E., Fab. (Juana Díaz)

Lab Name: Beckton Environmental Laboratories

Sampler: W. Orengo

Matrix : Liquid

Lab. sample ID:

BEL-23528

Sample wt/vol: 25.0 g

Lab. File ID: 23528TCL

Column: (pack/cap)

capillary

Date Received:

11/18/96

Date Analyzed: 11/25/96

## MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	METALS (SW-846 6010\7470)			,
D004 D005 D006 D007 D008 D009 D010 D011	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	N.D. 0.7747 0.1150 0.0142 0.1739 N.D. 0.0084 N.D.	0.002 0.00009 0.00015 0.0006 0.002 0.0004 0.002 0.00075	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager r the Manager's Designee.

Ra¥ae1 Infante Director Laboratory

Chemist License No. 1888

Rafael Infante Méndez LIC. #1888

# CHAIN OF CUSTODY RECORD

PROJECT NO.		СОМІ	PANY	G.E. Ju	era	Di	az	SAMPLER	W. Ovenso
SAMPLE LOCATION	N/CLIENT	ID		Us	e cl	B	10-7		TIME 2: 10 pm CONTROL NO.
SAMPLE DATE					11-1	8-8	° 6		BEL. NO. 23528 10998
1. General Environ	mental:								
Acidity	( )			Alkalinity		(	)	Relinquished	by:
Ammonia as N	( )			Bicarbonate		(	)	7,	ues Lepeira
BOD-5	( )			Bromide		(	)	ya	my - specia
Chloride	( )			Chlorine, Res.		(	)	Du T	11-18-96 2:401.14
COD	( )			Color (ADMI)		(	)	Date/Time:	11-18-96 d. 40g. M
Conductivity	( )			Color (Pt-Co)		(	)	Decimal 1	-
Dissolved Oxygen	( )			Cyanide		(	)	Received by:	<b>11</b>
Hardness	( )			Fluoride		(	)	(0)	alt Quan
Moisture %	( )			Iodine		(	)		
Nitrite	( )			Nitrate		(	)	Date/Time:	11-18-86 2:400
Oil+Grease Phenol	( )			Nitrate + Nitrite		(	)	Date/11me:_	10 14 3.70
Phosphorus, Total	( )			pH Phosphate, Ortho		(	)	Relinquished	hv.
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)	remiquished	
Sulfate	( )			Solids, Total		(	)	$(\mathcal{Y})$	alt V
Sulfite	( )			Sulfide		(	)		
TDS	( )			Surfactant		(	í	Date/Time:	11-18-9C 3:29P
Temperature	( )			TSS		ì	, )		
TOC	( )			TKN		ì	)	Received by:	
Asbestos in air	( )			Turbidity		Ì	)	Q	Carel Bernuda
2. Metals									11000 2001
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time:	11/14/99 5:03/19
Chromium	(Cr)	(	)	Copper	(Cu)	(	)		
Iron	(Fe)	(	)	Lead	(Pb)	(	)		
Manganese	(Mn)	(	)	Mercury	(Hg)	(	)	Matrix:	
Nickel	(Ni)	(	)	Selenium	(Se)	(	)	ai	
Silver	(Ag)	(	)	Tin	(Sn)	(	)		ater ( )
Zinc	(Zn)	(	)	Arsenic	(As)	(	)	SI SC	udge ( )
Barium	(Ba)	(	)	Boron	(B)	(	)		` ,
Antimony	(Sb)	(	)	Beryllium Calcium	(Be)	(	)	sc oi	olid ( )
Bismuth Chromium VI	(Bi)	(	)	Calcium Cobalt	(Ca)	(	)		nixed ( )
Chromium, VI Magnesium	(CrVI)	(	)	Molybdenum	(Co) ( <b>M</b> o)	(	)		ther (x) Specify: Ligar Lo
Magnesium Potassium	(Mg) (K)	(	)	Molybaenum Silicon	(Mo) (Si)	(	)	OI	(A) opening.
Sodium	(Na)	(	)	Strontium	(Sr)	(	, )		
Thallium	(Tl)	/	)	Titanium	(Ti)	ì	) . )	Turnaround	time:
Vanadium	(V)	(	)	* ************************************	(11)	(	,		
	. ,		,						day ( )
3. RCRA/Hazardou	is wastes							2	days ( )
Ignitability (Flash P	't.)	(	)	Corrosivity		(	metal	3	days ( )
Reactivity (CN & S	)	(	)	TCLP		(X	metal	es 5	days ( )
RCRA Metals		(	)	Organics-Pest/He	rb	(	)	Note: no	rmal turnaraund time is ten (10) working
Organics-BNA TOX		(	)	Organics-VOA		(	)	***	ys; additional charges apply for rush ders
4. Specific Organic	s							Sample type	legend:
Volatiles		(	)	Semi-Volitiles (Bl	NA)	(	)	_	
Pesticides/PCB's		Ì	)	PCB's Only		(	)		rab samples x
Herbicides		(	)	TPH/Diesel (TPH	I/D)	(	)	C	omposite samples xx
BTEX		(	)	TTO		(	)		
TTO & Dioxin		(	)	OTHER (Specifv)	)	(	)		
5. Microbiology									
Fecal Coliform		(	)	Total Coliform		(	)		
Comments:			<del>.</del>		<u></u>				ENVIRONMENTAL LABORATORIES reet ◆ Ponce, PR 00731
									41-7373 ◆ Fax.: 809-841-7313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

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Each parameter to be analyzed should be marked with an "X" or "XX"

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When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.



# **ANALYSIS REPORT**

SAMPLE IDENTIFICATION: Dron #61

G.E., Juana Diaz

Dicember 6, 1996

Lab Name: Beckton Environmental Laboratories

Sampler: W. Orengo

Matrix: Solid

Lab. sample ID:

BEL-23529

Sample wt/vol: 200/25.0 ( g/mL) g

Lab. File ID: 23529TCL

Column: (pack/cap)

capillary

Date Received: 11/18/96

Date Received: 11/18/96 Date Extracted: 11/19/96

Date Analyzed: 12/05/96 (SV)

# MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
)	SEMI-VOLATILE ORGANICS (S	N 8270)		
D023 D024 D025 D030 D032 D033 D034 D036 D037 D038 D041	o-Cresol m-Cresol p-Cresol 2,4-Dinitrotoluene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pentachlorophenol Pyridine 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002	200.0 200.0 200.0 0.13 0.13 0.5 3.0 2.0 100.0 5.0 400.0

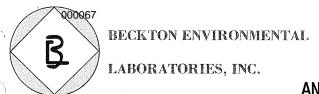
N.D.- not detected

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo. Rafael Infante Laboratory Director Chemist License 1888 Rafael Infante Ménúez LIC.#1888

A 442759

192 VILLA STREET PONCE, P.R. 00731 TEL: (787) 841-7373 FAX (787) 841-7313



# **ANALYSIS REPORT**

SAMPLE IDENTIFICATION: Dron #61

G.E., Juana Díaz

Dicember 4, 1996

Lab Name: Beckton Environmental Laboratories

Sampler: W. Orengo Matrix: Solid

Lab. sample ID:

BEL-23529

Sample wt/vol: 200/25.0 ( g/mL) g

Lab. File ID: 23529TCL

Column: (pack/cap)

capillary

Date Received:

11/18/96

Date Extracted: 11/19/96

Date Analyzed:

11/23/96 (V)

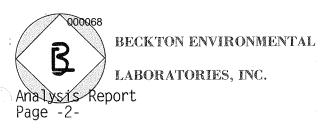
11/28/96 (H)

11/24/96 (P)

## MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
)	METALS (SW-846 6010/7470)			
D004 D005 D006 D007 D008 D009 D010 D011	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	0.0111 0.1441 0.0246 0.0024 0.0122 0.0042 0.0109 N.D.	0.002 0.0009 0.00015 0.0006 0.002 0.0004 0.002 0.00075	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0
•	PESTICIDES (SW-846 8080)			
D020 D012 D031 D013 D014 D015	Chlordane Endrin Heptachlor (and its OH) Lindane Methoxychlor Toxaphene	N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.0005 0.004 0.010 0.025	0.03 0.02 0.008 0.4 10.0 0.5

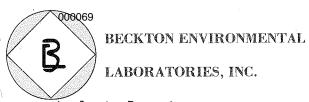
N.D. - not detected



SAMPLE IDENTIFICATION: BEL-23529

EPA HAZRDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)					
	HERBICIDES (SW-846 8150)								
D016 D017	2,4-D 2,4,5-TP (Silvex)	N.D. N.D.	. 25 . 05	10.0 1.0					
	VOLATILE ORGANICS (SW-846 8010; 8015; 8021)								
D018 D019 D021 D022 D027 D028 D029 D035 D039 D040 D043	Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Methyl Ethyl Ketone Tetrachloroethylene Vinyl Chloride	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	.040 .040 .040 .040 .040 .040 .040 5.00 .040 .04	0.5 0.5 100.0 6.0 7.5 0.5 0.7 200.0 0.7 0.5 0.2					

N.D.- not detected



Analysis Report Page -3-

SAMPLE IDENTIFICATION: BEL-23529

IGNIGTABILITY: Hazardous Waste Number D 001

Flash point. Not applicable. The U.S. Environmental Protetion Agency have not published a method to determine flammability of solid samples.

The samples identified above does not have any of the properties defined and assigned to ignitable liquid wastes.

CORROSIVITY: Hazardous Wastes Number D 002

Sample does not exhibit the characteristics of corrosivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

pH not applicable. However, for handling purposes the pH of the sample measured in water was 7.73 at  $23^{\circ}$  C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide < 10 ppm (500 ppm limit) Cyanide < 10 ppm (250 ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo. Rafaer Infante Laboratory Director Chemist License 1888

Will III

Rafael Infante Méndez LIC. #1888

# CHAIN OF CUSTODY RECORD

PROJECT NO. COMPANY			E. Juan	a Di	) a		SAMPLER W. Drenso				
SAMPLE LOCATIO	n/client ii	D		Dre	> N .	+	61		тіме	2:30pm	CONTROL NO.
SAMPLE DATE						<u>8-</u>	<u>56</u>	21	BEL, NO.	73579	T0888
1. General Environ	mental:			A 11				Dolinanial	ad by:		
Acidity	( )			Alkalinity		( )		Relinquish	eu by:	1 1	
Ammonia as N	( )			Bicarbonate		(		7	~ · · · ·	1 1 10 1	٠٠٠
BOD-5	( )			Bromide		( )		- 40	aney X	spiese	
Chloride	. ( )			Chlorine, Res.		( )			- 0 ,, ,	10 61	2:40p.4
COD	( )			Color (ADMI)		( )		Date/Time	7/-/	8-96	<u> </u>
Conductivity	( )		(	Color (Pt-Co)		( )		_			•
Dissolved Oxygen	( )		(	Cyanide		( )		Received !	by:		
Hardness	( )		]	Fluoride		( )				- X L	
Moisture %	( )		]	lodine		( )			10150-		/0
Nitrite	<u>(</u> )		]	Nitrate		( )				-	0.44
Oil+Grease	( )		1	Nitrate + Nitrite		( )		Date/Time	: <i>[[-[</i>	D- > C	2.400
Phenol	( )			рΗ		ì í		•			
Phosphorus, Total	( )			Phosphate, Ortho		$\dot{i}$		Relinquish	ned by:	_	
Sett. Solids mg/L	( )			Sett. Solids mL/L		( )		/	2.1	· • £	
Sulfate	( )					( )		( )			70
	( )			Solids, Total Sulfide		( )					
Sulfite	( )					( )		Date/Time	e: //~/	Q-86	2.250
TDS	( )			Surfactant		( )		Date/11me	e: // -/	0 0	<u> </u>
Temperature	( )	••		TSS		( )		~	•		
TOC	()			TKN		( )		Received	by:		/
Asbestos in air	( )			Turbidity		( )			Jaral fo	Bernie	dez
2. Metals								/	Mela	10 61	NIPIL
Aluminum	(Al)	. (	)	Cadmium	(Cd)	( )		Date/Time	e: <i>]]]]   8  7</i>	<i>4</i> 5:	UTTY
Chromium	(Cr)	(	)	Copper	(Cu)	( )					
Iron	(Fe)	(	)	Lead	(Pb)	( )					
Manganese	(Mn)	į	<b>)</b> .	Mercury	(Hg)	( )		Matrix:			
Nickel	(Ni)	ì	<b>)</b> ;	Selenium	(Se)	( )			air ( )	r in the second	
Silver	(Ag)	ì	,	Tin	(Sn)	Ò			water ( )	1	
Zinc	(Zn)	· .	,	Arsenic	(As)	( )			sludge ( )		
Barium	(Ba)	(	,	Boron	(B)	( )			soil ( )	· •	
	(Sb)	(	,	Beryllium	(Be)	( )			solid (X)	4.1	
Antimony	` ,	Ţ	•			( )			oil (	12	
Bismuth	(Bi)	.(	,	Calcium	(Ca)		,		mixed (	,	
Chromium, VI	(CrVI)	(	,	Cobalt	(Co)		) `		, ,	. Specific	
Magnesium	(Mg)	( .	•	Molybdenum	(Mo)	(	)		other (	Specify:	
Potassium	(K)	(	) 5	Silicon	(Si)	( )	)				
Sodium	(Na)	( .	) 5	Strontium	(Sr)	( )	) .				
Thallium	(Tl)	( )	)	Titanium	(Ti)	( )	)	Turnarou	nd time:		
Vanadium	(V)	(	)								
									1 day (	)	
3. RCRA/Hazardor	us wastes								2 days (	)	
Ignitability (Flash I	Pt.)	义	)	Corrosivity		$-(\boldsymbol{\lambda})$	)		3 days (	)	
Reactivity (CN & S		(X		TCLP		سر)	)		5 days (	)	
RCRA Metals	*	X	)	Organics-Pest/Herb		(Z)	)	Note:	normal turner sund time	is ten (10) working	
Organics-BNA			Ś	Organics-VOA			)		days; additional charges		
TOX			)	0		~~	•		orders		
4. Specific Organic	es			a				Sample ty	ype legend:		
Volatiles		(		Semi-Volitiles (BNA	.)	(	)			••	
Pesticides/PCB's		( -		PCB's Only		(	)		grab samples	X log ww	
Herbicides		(		TPH/Diesel (TPH/D	)	(	)		composite samp	les xx	
BTEX		(	)	TTO		(	)				
TTO & Dioxin		(	)	OTHER (Specify)		(	)				
5. Microbiology											
Fecal Coliform		(	)	Total Coliform		(	)				
. Jour Comorni		`	,			`	•				
Comments:			-						ON ENVIRONM Street • Ponce,		ORATORIES
									)-841-7373 ♦ Fax		13

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SQP Number 5.0 adopted on May 24, 1995]

#### Scope And Application Ma

Date:

Sample matrix:

Sample type:

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

Definition

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
  - it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- 4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

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Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number:

A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Sampler:

Each sampler is identified.

BEL ID Number:

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

A six digit number indicating day of collection, month and the year.

Time:

A four digit number indicating time of collection; military time must be preferably many employed. AM and PM should be stated in case normal time is employed.

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4) The following preservatives must be always employed:
Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;
H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other
parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

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### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Drum #56

December 6, 1996

G.E., Fab. (Juana Díaz)

Lab Name: Beckton Environmental Laboratories

Sampler: W. Orengo

Matrix: Liquid

Lab. sample ID:

BEL-23530

Sample wt/vol: 1000/5.0 (g/mL) mL

Lab. File ID: 23530TCL

Column: (pack/cap)

capillary

Date Received:

11/18/96

Date Analyzed:

12/05/96 (SV)

# MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	SEMI-VOLATILE ORGANICS (S	W 8270)		
D023 D024 D025 D030 D032 D033 D034 D036 D037 D038 D041 D042	o-Cresol m-Cresol p-Cresol 2,4-Dinitrotoluene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pentachlorophenol Pyridine 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002	200.0 200.0 200.0 0.13 0.13 0.5 3.0 2.0 100.0 5.0 400.0 2.0

N.D. - not detected

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

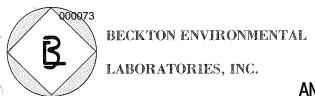
Lcdo. Rafael Infante

Laboratory Director Chemist License 1888

Rafael Infante Méndez

LIC. # 1888

442769



### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Drum #56

December 4, 1996

G.E., Fab. (Juana Díaz)

Lab Name: Beckton Environmental Laboratories

Sampler: W. Orengo

Matrix: Liquid

Lab. sample ID:

BEL-23530

Sample wt/vol: 1000/5.0 (g/mL) mL

Lab. File ID: 23530TCL

Column: (pack/cap)

capillary

Date Received:

11/18/96

Date Analyzed:

11/23/96 (V)

12/01/06

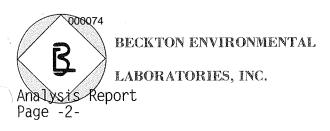
12/01/96 (H) 11/28/96 (P)

11/20/90

# MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARADOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
•)	METALS (SW-846 6010/7470)			
D004 D005 D006 D007 D008 D009 D010 D011	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	N.D. 0.0762 0.0002 N.D. 0.0117 N.D. 0.0083 N.D.	0.002 0.00009 0.00015 0.0006 0.002 0.0004 0.002 0.00075	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0
	PESTICIDES (SW-846 8080)			
D020 D012 D031 D013 D014 D015	Chlordane Endrin Heptachlor (and its OH) Lindane Methoxychlor Toxaphene	N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.0005 0.004 0.010 0.025	0.03 0.02 0.008 0.4 10.0 0.5

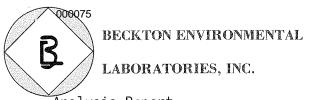
N.D.- not detected



SAMPLE IDENTIFICATION: BEL-23530

EPA HAZRDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	HERBICIDES (SW-846 8150)			
D016 D017	2,4-D 2,4,5-TP (Silvex)	N.D. N.D.	. 25 . 10	$10.0 \\ 1.0$
	VOLATILE ORGANICS (SW-846	5 8010; 8015;	8021)	
D018 D019 D021 D022 D027 D028 D029 D035 D039 D040 D043	Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Methyl Ethyl Ketone Tetrachloroethylene Trichloroethylene Vinyl Chloride	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	.040 .040 .040 .040 .040 .040 .040 5.00 .040 .04	0.5 0.5 100.0 6.0 7.5 0.5 0.7 200.0 0.7 0.5

N.D.- not detected



Analysis Report Page -3-

SAMPLE IDENTIFICATION: BEL-23530

### HAZARDOUS CHARACTERISTICS

IGNIGTABILITY: Hazardous Waste Number D 001

The sample does NOT exhibit the characteristic of ignigitability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Flash point >140 °F

CORROSITIVITY: Hazardous Wastes Number D 002

The sample does not exhibit the characteristic of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

The pH of the sample was 9.55 S.U. @ 18°C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide 10 (500 ppm limit) ppm Cyanide 10 ppm (250 ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

> Rafael Infante Méndez /LIC.#1888

Lcdo/ Rafael Infante Laboratory Director

Chemist License No. 1888

192 VILLA STREET

TEL: (787) 841-7373 FAX (787) 841-7313

PROJECT NO.		COMPANY	GE-90	e e once	D.	ì°3	SAMPLER W. Orenso
SAMPLE LOCATIO	N/CLIENT II	)	DIE	<i>ټ</i> (ر.	#	56	TIME 2.35 pm CONTROL NO.
SAMPLE DATE				1-1	8 ~	56	BEL. NO. 23530 11000
1. General Environ	mental:		A House Care		,	`	Delinaviated by:
Acidity Ammonia as N	( )		Alkalinity Bicarbonate		(	)	Relinquished by:
BOD-5	( )		Bromide			)	Kanen Dekerra
Chloride	( )		Chlorine, Res.		(	)	(00000)
COD	( )		Color (ADMI)		$\sim$	)	Date/Time: 11-18-94 2:40p.
Conductivity	( )		Color (Pt-Co)		(	)	
Dissolved Oxygen	( )		Cyanide		ì	<u>,</u>	Received by:
Hardness	( )		Fluoride		ì	)	11/4
Moisture %	( )		Iodine		(	)	Wash Co
Nitrite	( )		Nitrate		è	)	
Oil+Grease	( )		Nitrate + Nitrite		ì	)	Date/Time: 11-18-8 3.40
Phenol	( )		pН		Ò	)	•
Phosphorus, Total	( )		Phosphate, Ortho		(	)	Relinquished by:
Sett. Solids mg/L	( )		Sett. Solids mL/L		(	)	1.1.11
Sulfate	( )		Solids, Total		(	)	war Jo
Sulfite	( )		Sulfide		(	)	11 13 01 1 2 2
TDS	( )		Surfactant		(	)	Date/Time: 1/-18-96 3.33
Temperature	( )		TSS		(	)	
TOC	( )		TKN		(	)	Received by:
Asbestos in air	( )		Turbidity		(	)	Varal Bernudez
2. Metals							wholes and put
Aluminum	(Al)	( )	Cadmium	(Cd)	(	)	Date/Time: ////////////////////////////////////
Chromium	(Cr)	( )	Copper	(Cu)	(	)	/ /
Iron	(Fe)	( )	Lead	(Pb)	(	)	N. 45-
Manganese	(Mn)	( )	Mercury	(Hg)	(	)	Matrix:
Nickel	(Ni)	( )	Selenium Tr	(Se)	(	)	air ( ) water ( )
Silver Zinc	(Ag)	( )	Tin	(Sn)	(	)	sludge ( )
Barium	(Zn) (Ba)	( )	Arsenic Boron	(As) (B)	(	)	soil ( )
Antimony	(Sb)	( )	Beryllium	(Be)	(	)	solid ( )
Bismuth	(Bi)	( )	Calcium	(Ca)	(	)	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	~	)	mixed ()
Magnesium	(Mg)	$(\cdot,\cdot)$	Molybdenum	(Mo)	(	)	other (x) Specify: Www.
Potassium	(K)	( )	Silicon	(Si)	è	ì	
Sodium	(Na)	( )	Strontium	(Sr)	(	<b>)</b> .	
Thallium	(Tl)	()	Titanium	(Ti)	ì	)	Turnaround time:
Vanadium	(V)	( )		` '	`	,	1 day ( )
3. RCRA/Hazardo	us wastes						2 days ( )
Ignitability (Flash I	Pt.)	<b>(X</b> )	Corrosivity		X		3 days ( )
Reactivity (CN & S	S)		TCLP		X) X	()	5 days ( )
RCRA Metals		(X)	Organics-Pest/Her	b	X		Note: normal turnar sund time is ten (10) working
Organics-BNA TOX		( <b>x</b> )	Organics-VOA		(X	()	days; additional charges apply for rush orders
4. Specific Organic	es						Sample type legend:
Volatiles		( )	Semi-Volitiles (BN	IA)	(	)	
Pesticides/PCB's	•	( )	PCB's Only	(T))	(	)	grab samples x
Herbicides		( )	TPH/Diesel (TPH)	(טי)	(	)	composite samples xx
BTEX		( )	TTO		(	)	
TTO & Dioxin		( )	OTHER (Specify)		(	)	
5. Microbiology		, .	m . 1 G . 112		,	`	
Fecal Coliform		( )	Total Coliform		(	)	
Comments:							BECKTON ENVIRONMENTAL LABORATORIES
							192 Villa Street ♦ Ponce, PR 00731 Tel.: 809-841-7373 ♦ Fax.: 809-841-7313
							1 C1 OU7"O"1" / J / J ▼ 1" d X OU7"O"1" / J I J

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

### Scope And Application

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- Note: (1)The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
  - Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These (2) procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
  - If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper (3)disposal.
  - (4)The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO3 for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.



### BECKTON ENVIRONMENTAL

LABORATORIES, INC.

### ANALYSIS REPORT

Att.: Ms. Nancy Texeira General Electric- Juana Díaz

Date: November 26, 1996

Lab Name: Beckton Environmental Laboratories

atLab. sample ID: BEL-23350 Date: 11/12/96

Contract: General Electric

Description: Aqua Potable-

Lab. file ID: BEL23350

Sampled by: A. Vera

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-23350
Temperature pH Aluminum Cadmium Cr, Total Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc BOD5 COD Oil & Grease SS Cyanide TSS Flash Point	170.1 150.1 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 245.1 200.7(ICAP) 245.1 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 300.7(ICAP) 405.1 410.4 413.1 Std. Method 335.2 160.1 SW-846 1010	Spot Spot Grab Grab Grab Grab Grab Grab Grab Grab	°C S.U. mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	29.0 7.95 <0.0250 <0.0001 0.0008 0.0080 <0.0600 0.0128 0.0015 <0.0004 <0.0007 0.0058 <0.0007 <1.0000 1.4440 <5.0 <15.0 <5 <4 <0.02 <4 >140

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager of the

Teodoro V Quiñones Muniz Lic.# 3215

A 43331

Lcdo. Teodoro V Outrones

QC Officer

Chemist License 3212

192 VILLA STREET PONCE, P.R. 00731

TEL: (787) 841-7373 FAX (787) 841-7313

PROJECT NO. COMPANY GE Juana Diaz							SAMPLER	A. Vera
SAMPLE LOCATION	N/CLIENT I		Aqua	Po	talle	Cit -VVA	YER	TIME 130mm CONTROL NO.
SAMPLE DATE			11-12-9	4				BEL. NO. <b>23350</b> 3569
. General Environr	nental:							
Acidity	( )		Alkalinity		( ' )		Relinquish	hed by:
Ammonia as N	( )	٠	Bicarbonate		( )		7/	and the days
BOD-5	( <b>X</b> ) was	SC COMPA	Bromide		( )		-7	any refersa
Chloride	( )		Chlorine, Res.		( )			any Tefeira Farr e. 11-12-96 - 1:40 P.
COD	$(\mathbf{X})$		Color (ADMI)		( )		Date/Time	e: //2/3/2/0 2/1/0 /.
Conductivity	( )		Color (Pt-Co)		( )			
Dissolved Oxygen	( )		· Cyanide		(文)		Received	
Hardness	( )		Fluoride		( )		elle -	el Luca Vera Tarre
Moisture %	( )		Iodine		( )		yng	The hear voice / Dog
Nitrite	( )	Market Market	Nitrate		( )		6Y	11-12-96 - 1:40 P
Oil+Grease	( <b>X</b> ) "		Nitrate + Nitrite		$(\chi)7.5$	75-	Date/IIm	le: 75 75 75 75 75 ,
Phenol	( )		, bH				D - 11 1 - 1	L - 1 L
Phosphorus, Total	( )·	· ·	Phosphate, Ortho		( )		Relinquis	
Sett. Solids mg/L	( <b>X</b> )		Sett. Solids mL/L		( )		Alm.	11-12-96 - 2:30 f
Sulfate	( )		Solids, Total		( )		7"	Tet les passes
Sulfite	( )		Sulfide		( )		Date/Tim	11-12-96- 2:30 f
TDS	( )	90	Surfactant		( )	i	prate/11mm	77-132 70 000
Temperature		<del></del> / C	TSS		(X)=====		Dansinad	L
TOC	( ')		TKN		( )		Received	
Asbestos in air	( )		Turbidity		( )			Carel Bernedez
2. Metals					• •			11/12/910 4:17 PM
Aluminum	(Al)	$(\mathbf{X})$	Cadmium	(Cd)	$(\mathbf{X})$		Date/Tim	ne: 11/14/90 4.1/PM
Chromium	(Cr)	(X)	Copper	(Cu)	$(\mathbf{X})$			
Iron	(Fe)	$(\mathbf{X}_{\cdot})$	Lead	(Pb)	(X)			
Manganese	(Mn)	$(\mathbf{X})$	Mercury	(Hg)	$(\mathbf{X})$		Matrix:	
Nickel	(Ni)	(X)	Selenium	(Se)	$(\mathbf{X})$			air ( )
Silver	(Ag)	( <b>%</b> )	Tin	(Sn)	$(\mathbf{X})$			water ( \( \lambda \)
Zinc	(Zn)	(X)	Arsenic	(As)	( )			sludge ( )
Barium	(Ba)	( )	Boron	(B)	( )			soil ( )
Antimony	(Sb)	- ( )	Beryllium	(Be)	( )			solid ( )
Bismuth	(Bi)	( )	Calcium	(Ca)	. ( )			oil ( )
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	( )			mixed ( )
Magnesium	(Mg)	( )	Molybdenum	(Mo)	• ( )			other ( ) Specify:
Potassium	(K)	( )	Silicon	(Si)	( )			
Sodium	(Na)	( )	Strontium	(Sr)	( ),			
Thallium	(Tl)	( - )	Titanium	(Ti)	( )		Turnarou	ind time:
Vanadium	(V)	( )						1 3 ( )
a non-ur								1 day ( ) 2 days ( )
3. RCRA/Hazardou		. J.	0 1:1-		( )			2 days ( ) 3 days ( )
Ignitability (Flash P		$(\mathbf{X})$	Corrosivity		( )			5 days ( )
Reactivity (CN & S	)	( )	TCLP		( )		Note:	normal turnar sund time is ten (10) working
RCRA Metals		( )	Organics-Pest/Herb		( )		TAOLE.	normal furnar-sund time is rea (10) working  days; additional charges apply for rush
Organics-BNA TOX		( )	Organics-VOA		( )			days; adominated charges apply for result
4. Specific Organic	s						Sample to	ype legend:
Volatiles	~	( )	Semi-Volitiles (BNA	<b>(</b>	( )			·· ·
Pesticides/PCB's		$\dot{}$	PCB's Only	,	<u>(</u> )			grab samples x
Herbicides		· ( )	TPH/Diesel (TPH/I	))	( )			composite samples xx
BTEX		( )	TTO		( )	11.5		
TTO & Dioxin		( )	OTHER (Specify)		( )			
5. Microbiology			#.					
Fecal Coliform		( )	Total Coliform		( )			
Comments:	( 5 b	es:	Fo But	HA	·V.	=		ON ENVIRONMENTAL LABORATORIES
							_192 Villa	a Street * Ponce, PR 00731
							Tel.: 809	9-841-7373 • Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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A number given to the project, optional.

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Control No.:

Customers will utilize this number for determining status of samples. A six digit number indicating day of collection, month and the year.

Date: Time:

A four digit number indicating time of collection; military time must be preferably

Sample matrix:

employed. AM and PM should be stated in case normal time is employed. Check appropriate space for the following sample matrix: water; solid; air; sludge, soil,

Sample type:

solid, mixed waste, or other. In the event other is selected specify the sample matrix. Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

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Comments:

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Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note:

- (1)The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
- Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These (2) procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
- (3)If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
- (4) The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

## **QUALITY ASSURANCE**

Beckton Environmental Laboratories is one of the nation leading provider of full environmental analytical services. Since its founding, has constantly strive to maintain state-of-the-art equipment in order to meet the ever changing environmental compliance regulations. Our capabilities ensure the delivery of analytical results based on quality and accuracy when you absolutely can't wait.

Beckton Environmental Laboratories has a comprehensive, quality assurance/quality control (QA/QC) program designed to assure that the results will stand up under regulatory agency or courtroom scrutiny. Furthermore, Beckton's QA/QC program is accepted by the State of Florida Department of Environmental Resources. We adhere to protocols which is based on requirements of:

- Test Methods for Evaluating Solid Waste, SW-846.
- EPA's Handbook for Analytical Quality Control in Water and Wastewater Laboratories.

Our written QA/QC plan addresses all aspects of Beckton's services including:

- Sample collection and handling techniques
- Sample preparation and analytical procedures
- ♦ QC validation of results
- Control limits for precision and accuracy
- ♦ Record management
- Internal and external audits
- Documentation of QC results

♦ Corrective action procedures .

With each group of samples analyzed, the following QC procedures are documented:

- Instrument are checked, tuned and calibrated
- Laboratory blanks are analyzed with each batch of samples to ensure that positive values are not the result of contamination.
- Trip blanks, field blanks, and equipment blanks are routinely analyzed to assess possible contamination sources.
- Laboratory control standards are carried through all preparation and analytical techniques to verify methodology and calibrations.
- Matrix spike sample is analyzed per batch of samples to measure accuracy.
- ♦ A duplicate, or matrix spike duplicate is analyzed per batch of samples to measure precision.
- Every organic sample, blank and standard is spiked with surrogate compounds to verify sample specific recoveries.

All the above QC procedures are validated by a process that include: initial verification by the analysts, data confirmation by the department supervisor, review by the laboratory QA/QC officer and final scrutiny and approval by the laboratory director.

We have estimated that the cost of providing quality assurance described above is approximately 30% of our analytical charges. However these procedures are an integral part of all EPA approved analytical methods.



March 5, 1996

### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Unknown Drum #58

G.E., Fab. (Juana Díaz)

Att.: Mrs. Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Water

Lab. sample ID:

BEL-17178

Sample wt/vol: 1000/5.0\_\_(g/mL)\_\_mL\_\_

Lab. File ID: 17178TCL

Column: (pack/cap)

capillary

Date Received:
Date Analyzed:

02/20/96 02/20/96 (V)

03/02/96 (H)

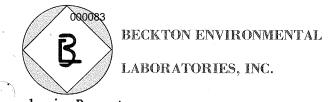
03/01/96 (P)

03/01/96 (SV)

## MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	METALS (SW-846 7000's)			
D004	Arsenic	N.D.	0.004	5.0
D005	Barium	5.913	0.00009	100.0
D006	Cadmium	N.D.	0.0003	1.0
D007	Chromium	0.0623	0.0006	5.0
D008	Lead	N.D.	0.004	5.0
D009	Mercury	0.00799	0.0005	0.2
DO10	Selenium	N.D.	0.004	1.0
DO11	Silver	0.0029	0.00075	5.0
	PESTICIDES (SW-846 8080)			
D020	Chlordane	N.D.	0.002	0.03
D012	Endrin	0.002	0.002	0.02
D031	Heptachlor (and its OH)	N.D.	0.0005	0.008
D013	Lindane	N.D.	0.004	0.4
D014	Methoxychlor	N.D.	0.010	10.0
DO15	Toxaphene	N.D.	0.025	0.5

N.D.- not detected



analysis Report Page -2-

SAMPLE IDENTIFICATION: BEL-17178

EPA HAZRDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATOR LEVEL ( mg/L)
	HERBICIDES (SW-846 8150)			
D016	2,4-D	N.D.	.25	10.0
D017	2,4,5-TP (Silvex)	N.D.	.10	1.0
	VOLATILE ORGANICS (SW-846	8010; 8015	; 8021)	
D018	Benzene	N.D.	.040	0.5
D019	Carbon Tetrachloride	N.D.	.040	0.5
D021	Chlorobenzene	N.D.	.040	100.0
n022	Chloroform	N.D.	.040	6.0
027	1,4-Dichlorobenzene	N.D.	.040	7.5
D028	1,2-Dichloroethane	N.D.	.040	0.5
D029	1,1-Dichloroethylene	N.D.	.040	0.7
D035	Methyl Ethyl Ketone	N.D.	5.00	200.0
D039	Tetrachloroethylene	N.D.	.040	0.7
D040	Trichloroethylene	N.D.	.040	0.5
D043	Vinyl Chloride	N.D.	.020	0.2
	SEMI-VOLATILE ORGANICS (ST	8270)		
D023	o-Cresol	N.D.	.002	200.0
D024	m-Cresol	N.D.	.002	200.0
0025	p-Cresol	N.D.	.002	200.0
D030	2,4-Dinitrotoluene	N.D.	.002	0.13
D032	Hexachlorobenzene	N.D.	.002	0.13
0033	Hexachloro-1,3-butadiene	N.D.	.002	0.5
0034	Hexachloroethane	N.D.	.002	3.0
D036	Nitrobenzene	N.D.	.002	2.0
D037	Pentachlorophenol	N.D.	.002	100.0
D038	Pyridine	N.D.	.002	5.0
D041	2,4,5-Trichlorophenol	N.D.	.002	400.0
D042	2,4,6-Trichlorophenol	N.D.	.002	2.0

N.D.- not detected



Analysis Report Page -3-

SAMPLE IDENTIFICATION: BEL-17178

### HAZARDOUS CHARACTERISTICS

IGNIGTABILITY: Hazardous Waste Number D 001

The sample does NOT exhibit the characteristic of ignigitability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Flash point >140 OF

CORROSITIVITY: Hazardous Wastes Number D 002
The sample does exhibit the characteristic of corrosivity according to the U.S.
Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

The pH of the sample was 14.38 S.U. @ 100C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide 19.2 ppm (500 ppm limit) Cyanide < 10 ppm (250 ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcda. Eulalia Medina

Chemist

Chemist License No. 3901

Eulalia Medina Pérez LIC. # 3901

192 VILLA STREET PONCE, P.R. 00731

PROJECT NO.	COMPANY	more l	Juen /	SAMPLER
SAMPLE LOCATION/CLIENT IS	)	UNKNOWN	drum #	58 TIME 10:304M CONTROL NO.
SAMPLE DATE		2-20	2-96	BEL. NO. <b>17178</b> 5634
General Environmental: Acidity ( ) Ammonia as N ( )		Alkalinity Bicarbonate	( )	Relinquished by:
BOD-5 ( ) Chloride ( ) COD ( ) Conductivity ( ) Dissolved Oxygen ( )	(	Bromide Chlorine, Res. Color (ADMI) Color (Pt-Co) Cyanide	( ) ( ) ( ) ( )	Date/Fime: Slice a.m. 3/30/96  Received by:
Hardness ( ) Moisture % ( ) Nitrite ( ) Oil+Grease ( ) Phenol ( )	I 1	Fluoride odine Nitrate Vitrate + Nitrite oH	( ) ( ) ( ) ( )	Date/Time: 2 70-96 11:00 A.M
Phosphorus, Total ( ) Sett. Solids mg/L ( ) Sulfate ( ) Sulfite ( ) TDS ( )		Phosphate, Ortho Sett. Solids mL/L Solids, Țotal Sulfide Surfactant	( ) ( ) ( ) ( )	Reliquished by:  Date/Time: Z - 2 & - 9c 12:0000
Temperature ( ) TOC ( ) Asbestos in air ( )	,	ISS FKN Turbidity	( ) ( ) ( )	Received by:
2. Metals Aluminum (Al) Chromium (Cr) Iron (Fe) Manganese (Mn) Nickel (Ni) Silver (Ag)	( ) ( ) ( ) ( )	Cadmium (Cd) Copper (Cu) Lead (Pb) Mercury (Hg) Selenium (Se) Tin (Sn)	( ) ( ) ( ) ( )	Date/Time: 2/20/96 1:00 P//  Matrix:  air ( )  water ( <b>X</b> )
Zinc (Zn) Barium (Ba) Antimony (Sb) Bismuth (Bi) Chromium, VI (CrVI) Magnesium (Mg)		Arsenic (As) Boron (B) Beryllium (Be) Calcium (Ca) Cobalt (Co) Molybdenum (Mo)	( ) ( ) ( ) ( )	sludge ( ) soil ( ) solid ( ) oil ( ) mixed ( ) other ( ) Specify:
Potassium (K) Sodium (Na) Thallium (Tl) Vanadium (V)	( ) !	Silicon (Si) Strontium (Sr) Titanium (Ti)	( )	Turnaround time:  1 day ( )
3. RCRA/Hazardous wastes Ignitability (Flash Pt.) Reactivity (CN & S) RCRA Metals Organics-BNA TOX	(X ) (X ) (X )	Corrosivity TCLP Organics-Pest/Herb Organics-VOA	(X ) (x ) (x ) (x )	2 days ( ) 3 days ( ) 5 days ( ) Note: nectual furnar aund time is ten (10) working days; additional charges apply for rush orders
4. Specific Organics Volatiles Pesticides/PCB's Herbicides BTEX TTO & Dioxin	( ) ( ) ( ) ( )	Semi-Volitiles (BNA) PCB's Only TPH/Diesel (TPH/D) TTO OTHER (Specifv)	( ) ( ) ( ) ( )	Sample type legend:  grab samples x  composite samples xx
5. Microbiology Fecal Coliform Comments:	( )	Total Coliform	( )	BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street • Ponce, PR 00731

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- it is in your possession, or 1.
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: Company:

A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Sampler:

Date:

Each sampler is identified. BEL ID Number:

Control No.:

Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoicing

Customers will utilize this number for determining status of samples. A six digit number indicating day of collection, month and the year.

Time: Sample matrix: A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed. Check appropriate space for the following sample matrix: water; solid; air; sludge, soil,

solid, mixed waste, or other. In the event other is selected specify the sample matrix. Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Sample type: Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

(1)

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note:

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(3)If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4)The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus, Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.



### BECKTON ENVIRONMENTAL

### LABORATORIES, INC.

### ANALYSIS REPORT

Att.: Ms. Nancy Texeira

General Electric- Juana Díaz

Date: Seplember 26. 1996

Contract: General Electric

Lab Name: Beckton Environmental Laboratories Lab. sample ID: BEL-21730 Date: 09/06/96

Description: Agua de Lavado (IDM)

Lab. file ID: BEL21730

Sampled by: N. Rivera

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-21730
Temperature pH Aluminum Cadmium Cr. Total Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc BOD5 COD Oil & Grease SS Cyanide TSS Flash Point	170.1 150.1 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 245.1 200.7(ICAP) 200.7(ICAP	Spot Spot Spab Grab Grab Grab Grab Grab Grab Grab Gr	°C S.U.L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	27.0 7.78 2.718 0.0373 7.919 153. 172. 0.0395 0.7208 <0.0004 0.4013 <0.002 <0.00075 <1.0 56.17 39.8 478. 13.2 582. <0.02 573. >140

Cortification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Laboratory Dir Chemist Licenses

Méndoz

Afael Infante

192 VILLA STRFF PONCE, P.R. 00731 TEL. (787) 841 7373 FAX (787) 841-7313

10.10.041 1.04

000088			CHAI	N OF	CUS	TODY R	ECORD			
PROJECT NO.		COMPANY G. E	Tuna Q	نمي		······································	SAMPLER	Live		
NAMPLE LOCATION	i/CIJENT I	D	Joan	کر	low	do (in	M	TIME	1/:29,7	CONTROL NO.
NAMPLE DATE			9_	6-	96			BEL. NO.	21730	13878
1. General Favironn	iental:						m	41 .		
Acidity	( )		Alkalinity		(	)	Relinquish	ed by:	Ŋ	
Ammonia us N	( )		Bicarbonate		(	)	٨ .	λ λ.		
BOD-5	$\langle \mathbf{X} \rangle$		Bromide		(	)		Company of		
Chloride	( )		Chlorine, Res		Ç	)	not derived	\ al /	76 11	1:30 A.M.
COD	$\propto$		Color (ADMI)		}	)	Date/Time	9-7-1-	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	·
Conductivity	( )		Color (Pt-Co)		(	)	n		$\wedge$	
Dissolved Oxygen	( )		Cyanide		(4	)	Received	<sup>yy</sup> /	11	
Hardness	( )		Fluoride		(	)	///		K. ua.	
Moisture %	( )		lodine		(	)		gran.	/ Jun	<u> </u>
Nitrite	( )		Nitrate		(	)	200		96 11:3	JAM
Oil+Grease	$\langle \boldsymbol{x} \rangle$		Nitrate + Nitrite		•	7.78	Date/Titho	7-6-	40 11.2	7 H/0/
Phenol	( )		pH		$\sim$	)	<b>5</b> 17 1 1		4	
Phosphorus, l'otal	( )		Phosphule, Ortho		(	)	Relinquish	icd by:		
Sett. Solids mg/L	$\langle \mathbf{x} \rangle$		Sett. Solids mL/L		(	)	1		K.	
Sulfate	( )		Solids. Total		(	)		after -	/11 war_	
Sulfite	( )		Sulfide		(	)	Date/Train	9-6-	96 1:	34914
TDS	( )	17.8°C	Surfactant		(	)	Date/ I mie	·		<del></del>
Temperature	(1).8	-7 0	TSS		X	,	Danier (	$\mathcal{I}$		
TOC Ashestos in air	( )		TKN Turbidity		(	)	Receive	Bezastai	/ n)	
A No. 1							( <i>J</i> /	- any god		
2. Metals		~ .	A 1-1	(C.1)			Date/Time	. 9160 l	96 0	:00pm
Aluminum	(LA)	<b>X</b> !	Cadmium	(Cd)	$\sim$	)	Date/ (Inti	· <del>/</del>	<u> </u>	
Chromium	(Cr)	$(\infty)$	Copper	(Cu)	- ix	)		•		•
hon	(Fc)		Lead	(Pb)	~	)	Manier			
Manganese	(Mn)	$\propto$	Mercury	(Hg)	4	,	Matrix:	Bir (	<b>Y</b>	
Nicke)	(Ni)	<b>⊗</b> (	Selenium T:-	(Se)	- 35	,		water (X	<b>-</b> \( \)	
Silver	(Ag)	(X.)	Tip	(Sn)	×	,		sludge (	,	
Zine	(Za)	$\langle \mathbf{X} \rangle$	Arsenic	(As)		,		soil (	)	
Berium	(Ba)	( )	Boton	(B)		,		solid (	,	
Antinony	(Sb)	( )	Beryllium Calaine	(Be)	(	,		oil (	)	
Bismuth	(Bi)	( )	Calcium	(Ca)	(	,		mixed (	,	
Chromium, VI	(CrVI)	( )	Cobalt Molyhdenum	(Co) (Mo)	(	,		other (	) Specify:	
Magnesium Potassium	(Mg) (K)	( )	Silicon	(Si)	(	, )		(	,	
Sodium	(Na)	( )	Strontium	(Sr)	- }	, )				
Thalliam	(Ti)	( )	Titanium	(Ti)	(	<i>,</i>	Turnarous	nd time:		
Vanadium	(V)	• •	114010111	(1.)	•	,	1-,000			
- disaminiti	(* )	( )						1 day (	1	
3. RCRA/Hazurdou	r wooden							2 days (	)	
Ignitability (Flash P		100	Corrosivity		(	<b>\</b>		3 days (	Ś	
Rescrivity (CN & S		( <b>X</b> )	TCLP		(	)		5 days (	í	
RCRA Metals	,	( )	Organius-Pest/Herb		(	)	Noic:	burind (streamend th	ne ja teja (16) workuur	
Organics-BNA		( )	Organics-VOA		}	)		days; eddinosa) cher		
TOX		( )	Organica VOA		`	,		ardari.		
4. Specific Organics	3						Sample 13	pe legend.		
Volatiles		( )	Senti-Volitiles (BNA	<b>(</b> )	(	)				
Pesticidex/PCB's		( )	PCB's Only		(	)		grab samples	×	
Herbicides		( )	TPH/Diesel (TPH/E	))	ì	)		composite sun	npies xx	
BTHX		( )	TTO		į	)	,			
TTO & Dioxin		( )	OTHER (Specify)		. (	)				
5. Microbiology										
Feed Coliforn		( )	Total Coliform		(	)				

Original

BECKTON ENVIRONMENTAL LABORATORIES

192 Villa Street ◆ Ponce, PR 00731 Tel.: 809-841 7373 ◆ Fax.: 809 841 7313

PROJECT NO. COMPANY. Com Cin					SAMPLER)					
SAMPLE LOCATION	N/CLIENT II	D	D-4K2	\\\	Same	4.110	M	TIME	1/2294	CONTROL NO.
SAMPLE DATE				9-4-	76		marania i an	BEL. NO.	Carrest Carl	130/0
1. General Environr			in v.				5 J	11	15.1000.0000	
Acidity Ammonia as N	( )		Alkalinity Bicarbonate		( )		Relinquished	ı oy:		Madalanacia
BOD-5	( ) ( )		Bromide		( )		1.7	. A . Y		section better
Chloride	73		Chlorine, Res.		( )	1 (1888-1888)	$= \frac{1}{2} $	7	7 <b>X</b> _ j = <b>X</b> _ j = _ j	
COD	(X')		Color (ADMI)		( )	par e seco	Date/Time:	X 45/	$M \sim \Delta_{2} T$	(. 284 JA.) ).
Conductivity	( <b>`</b> `)		Color (Pt-Co)		( )	)	acessadas as T	7 - 1 - 7		
Dissolved Oxygen	( )		Cyanide		( <b>(&lt;</b> )		Received by	y and and		
Hardness	( )		Fluoride		(	) assistante	aran jela je			
Moisture %	( )		<b>lodine</b>		( )	)	1000		36° ) (ALE A	- Gran
Nitrite	( ) A		Nitrate		( )	)	r		again and Ist	Casa Ka
Oil+Grease Phenol	$\langle X \rangle$		Nitrate + Nitrite		( ) ( ••• )	7.79	Date/Time:_		V 1	71371
Phosphorus, Total	7 7		pH Phosphate, Ortho		1	) \	Relinquished	l hv		
Sett. Solids mg/L	No Y		Sett. Solids mL/I		( )	) Variationis	Kemiquisneu	i Uy.	sectored tests M	
Sulfate	( )	and surface of the	Solids, Total		i				Craffical.	
Sulfite	( )	i karisan	Sulfide		( )	)	Van., 700 E. (1986)			
TDS	( )-,	っさし	Surfactant		( )	)	Date/Time:_			
Temperature	$(\mathcal{K})$		TSS		K)	)				
TOC	( )	104	TKN		( )	)	Received by	:		
Asbestos in air	( )		Turbidity		( ,	)				
2. Metals		as ada baa		436 988 638	and the first				1448	
Aluminum	(Al)	(X)	Cadmium	(Cd)	(X )	)	Date/Time:_		19392	
Chromium	(Cr)	(X)	Copper	(Cu)	( <b>X</b> )	)				
Iron	(Fe)	- (X)	Lead		$-\infty$				SECTION SECTION	
Manganese	(Mn)	· ( <b>X</b> _)	Mercury		W.					
Nickel	(Ni)	(X.)	Selenium	(Se)	_ S :			ir (		
Zinc	(Ag) (Zn)	(X)	Tin Arsenic	(Sn) (As)	(X)			vater (# ludge (	N annimalia	
Barium	(Ba)	(X)	Boron	(As) (B)	(	) )		oil (	,	
Antimony	(Sb)	( )	Beryllium	(Be)	(	) }		olid (	) selections	
Bismuth	(Bi)	( )	Calcium		· ( )	)	o	šil (	)	
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	( )	) at aga ti	n	nixed (	)	
Magnesium	(Mg)	( )	Molybdenum		(	)		other (	) Specify:	
Potassium	(K )	( )	Silicon		(	)				
Sodium Thallium	(Na) (Tl)	( )	Strontium Titanium	(Sr) (Ti)	(	)	Turnaround	time:	(I) most	
Vanadium	(11) (V)		I (MIIIIII)				Turnaround	ume,		
		A CONTRACTOR OF STREET	o facilitati appoint lo				3 20 1 20 0 A C 1	day (	)	
3. RCRA/Hazardou	s wastes	100 (000)	es ad talen acces and	340 C. L. Ville	12.244		sala oben sia 2	days (	)	
Ignitability (Flash P		(X)	Corrosivity					days (	)	
Reactivity (CN & S	Secretary of the second second second	( )	TCLP					ódays (	)	
RCRA Metals			Organics-Pest/He	erb					time is ten (10) working	
Organics-BNA TOX	inia sitto	( ) ( )	Organics-VOA	ASTH WEST				lays; additional ch rders	erges apply for rush	
16 76 6 1								(2000) - 12 - 22 - 3		
4. Specific Organics Volatiles		( ( )	Semi-Volitiles (E				Sample type			
Pesticides/PCB's			PCB's Only	22 (2011) 46 (240) 576 (450) 477 (450)	ALL SOME STREET				s X	
Herbicides		( )	TPH/Diesel (TPI				eritari et c			
BTEX		( )	TTO `		(	)				
TTO & Dioxin		( )	OTHER (Specify		(	)				
5. Microbiology										
Fecal Coliform		( )	Total Coliform	, A. C.		)	A STATE OF THE STA	100		
				(i i redistro		omateri ka		granica (II)		
Comments:							<del>(11)                                   </del>		NMENTAL LAB ice, PR 00731	ORATORIES
							And the second of the second o		ice, PK 00731 Fax.: 809-841-73	112

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

### **Scope And Application**

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

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According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC)
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- 1. it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

**Project Number:** A number given to the project, optional. Company: The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected. Sampler: Each sampler is identified. **BEL ID Number:** Laboratory Identification Number unique for each sample and assigned by Beckton. Control No.: A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples. Date: A six digit number indicating day of collection, month and the year. Time: A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed.

Sample matrix:

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type:

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by: When transferring the possession of samples the individuals relinquishing

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements.

If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4) The following preservatives must be always employed:

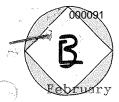
Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides;

H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

(45 Villa Street & Fonce, NA 0000) (41 Street - 73 F & 100 Street 113



### BECKTON ENVIRONMENTAL

### LABORATORIES, INC.

29, 1996

#### ANALYSIS REPORT

SAMPLE IDENTIFICATION: WWTP-Cleaning Water G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Liquid

Lab. sample ID:

BEL-17179

Sample wt/vol: 60\_\_\_

(g/mL) mL

Lab. File ID: 17179RCI

Column: (pack/cap)

capillary

Date Received: 0

02/20/96

Date Analyzed:

02/27/96

### HAZARDOUS CHARACTERISTICS

IGNIGTABILITY: Hazardous Waste Number D 001

The sample does NOT exhibit the characteristic of ignigtability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Flash point

>140º F

CORROSITIVITY: Hazardous Wastes Number D 002

The sample does not exhibit the characteristic of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

The pH of the sample was 7.63 S.U. @ 120C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide < 10 ppm (500ppm limit) Cyanide < 10 ppm (250ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by

Eulalia Iedina Pérez

Lcda. Eulalia Me

Chemist

Chemist License 3

LIC. # 3901

192 VILLA STREET PONCE, P.R. 00731

TEL. (809) 841-7373 FAX (809) 841-7313

### 小不知 医能力检验系统 医髓髓红色

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AV BOLINA SE BOLINA GERMÊNE. 1986 – Martin J. Bernella engol Marie ena gepone not i kolonik di kolonik di kanadê. 1986 – Karanda J. Bolina engol Marie ena gepone nota i kolonik di kolonik di kanadê.

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ovak det gjalle forsklære klæpet og det en en er en en en en eller til sterke fremsk til ekkilige. Hæk 140 tilke og lærek forse og ent

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海海大学 医乳腺性 医多氏性 医多种性 医海巴氏病 化二苯基甲酚

oko koje se se projeka i projeka pravi projeka se kraja se kraja se dio objeka mravi kraj pravisio i se troj Po koje a je se se se projeka prijeka prijeka 1900. Direka i poseka poseka je se se se se se projeka se se se

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PROJECT NO.		MPANY BE	Juana K	مسنل		SAMPLER
SAMPLE LOCATION/	CLIENT ID		WWTF		<del></del>	TIME 10:45AM CONTROL NO.
SAMPLE DATE				-20 -	26	BEL. NO. 17/79 5636
1. General Environm	ental:					
Acidity	$( \cdot )$		Alkalinity	(	)	Relinquished by:
Ammonia as N	( )		Bicarbonate	(	)	The state of
BOD-5	( )		Bromide	(	)	Janey & years
Chloride	( )		Chlorine, Res.	( -	)	Jan a skala
COD	<u>( )</u>		Color (ADMI)	(	)	Date/Fime: // 100 9 1 199 . 2/20/7 6
Conductivity	<u>( )</u>		Color (Pt-Co)	(	)	
Dissolved Oxygen	( )		Cyanide	ì	,	Received by:
Hardness	( )		Fluoride		í	
Moisture %	( )		Iodine	Č	,	VIIS COSCO
	( )		Nitrate	(	)	
Nitrite	( )			(	)	Date/Time: 2-20-96 11:00 AM
Oil+Grease	( )		Nitrate + Nitrite	Ş	)	Date/Time.
Phenol	( )		pН	Ç	)	n i list Am
Phosphorus, Total	( )		Phosphate, Ortho	(	)	Relinquished by:
Sett. Solids mg/L	( )		Sett. Solids mL/L	(	)	
Sulfate	(··)		Solids, Total	(	)	Yuu asa
Sulfite	( )		Sulfide	(	)	Date/Time: 2-20-96 12:00P4
TDS	( )		Surfactant	(	)	Date/Time: 2-20-96 12:00PM
Temperature	è		TSS	Ċ	)	•
TOC	( )		TKN	` ` `	j	Received by:
Asbestos in air	( )		Turbidity	(	)	M-Violal
2. Metals						1 /01
Aluminum	(Al)	( )	Cadmium (Cd	) (	)	Date/Time: 2/20/96 1:00 P4
Chromium	(Cr)	( )	Copper (Cu		í	
		( )	Lead (Pb		)	<b>,</b> , , , , , , , , , , , , , , , , , ,
Iron	(Fe)	.( )	•		)	Matrix:
Manganese	(Mn)	( )	Mercury (Hg		,	air ( )
Nickel	(Ni)	( )	Selenium (Se)		)	
Silver	(Ag)	( )	Tin (Sn		)	**************************************
Zinc	$(\mathbf{Z}\mathbf{n})$	( )	Arsenic (As		)	sludge ( )
Barium	(Ba)	( )	Boron (B)	(	)	soil ( )
Antimony	(Sb)	( )	Beryllium (Be	) (	)	solid ( )
Bismuth	(Bi)	( )	Calcium (Ca	) (	)	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt (Co	•) (	)	mixed ( )
Magnesium	(Mg)	( )	Molybdenum (Me	) (	)	other ( ) Specify:
Potassium	(K)	( )	Silicon (Si)	(	)	
Sodium	(Na)	( )	Strontium (Sr	) (	) .	
Thallium	(Tl)	( )	Titanium (Ti		)	Turnaround time:
Vanadium	(V)	( )	11	`	,	
Vallaululli	,(* )	( )				1 day ( )
2 DCD A /II	<b>.</b>					2 days ( )
3. RCRA/Hazardous		( - 19- <b>0</b> )		(A)	/ \	3 days ( )
Ignitability (Flash Pt	•	( <b>X</b> , <b>X</b> )	Corrosivity	XX X		5 days ( )
Reactivity (CN & S)	1	(XX)	TCLP	(	)	•
RCRA Metals		( )	Organics-Pest/Herb	(	)	Note: normal turnar sund time is ten (10) working
Organics-BNA		( )	Organics-VOA	(	)	days; additional charges apply for rush
TOX		( )				orders
4. Specific Organics	;		Carat Mattellar (DNA)	1	`	Sample type legend:
Volatiles		( )	Semi-Volitiles (BNA)	j	)	grab samples x
Pesticides/PCB's		( )	PCB's Only	(	)	
Herbicides		( )	TPH/Diesel (TPH/D)	. (	)	composite samples xx
BTEX		( )	TTO	(	)	
TTO & Dioxin		( )	OTHER (Specify)	(	)	
5. Microbiology						
Fecal Coliform		( )	Total Coliform	(	)	
		` ,		`		PROVED NEW HOLD ON A PROPERTY AND A TOP TOP TOP
Comments:						BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street  Ponce, PR 00731

Tel.: 809-841-7373 • Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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Each sampler is identified.

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Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples.

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types: xx- composite; x- grab.

Comments:

Sample type:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

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Analysis:

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Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.



March 5, 1996

### ANALYSIS REPORT

SAMPLE IDENTIFICATION: PBC Lines (Tube)

G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Solid

(g/mL)

Lab. sample ID:

BEL-17180

Sample wt/vol: 50.0

Lab. File ID: 17180TCL

Column: (pack/cap)

capillary

Date Received: 02/20/96 Date Extracted: 02/21/96

Date Analyzed: 02/29/96

### MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)	
	METALS (SW-846 7000's)		A CONTRACTOR OF THE CONTRACTOR		
D004	Arsenic	N.D.	0.002	5.0	
D005	Barium	0.8454	0.00009	100.0	
D006	Cadmium	0.0006	0.00015	1.0	
D007	Chromium	0.0468	0.0006	5.0	
D008	Lead	0.0137	0.002	5.0	
D009	Mercury	N.D.	0.0005	0.2	
DO10	Selenium	N.D.	0.002	1.0	
D011	Silver	0.0010	0.00075	5.0	

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcda. Eulalia Medina

hemist

Chemist License 3901

Medina Pérez LIC. # 3901

192 VILLA STREET PONCE, P.R. 00731 TEL. (809) 841-7373 FAX (809) 841-7313

PROJECT NO.		CONIR	TY.	Wana	D.	سح	<u></u>		SAMPLER	1, (a.		
SAMPLE LOCATION	V/CLIENT I	D		PBC lin	LS.			·		тімЕ	10:15AA	CONTROL NO.
SAMPLE DATE					2 ^2 6	<u> </u>	96	>		BEL. NO.	17180	_5635_
1. General Environn	nental:								10 P 1.1		erent. Herender	
Acidity	( , )			Alkalinity		(	)		Relinquish	ea by:	4	
Ammonia as N	( )			Bicarbonate		(	)			Vann	$\circ$	ila is a
BOD-5	. ( )			Bromide		(	)			yang	- \ 2	pergo,
Chlori <b>de</b>	( )			Chlorine, Res.		(	)		D . (17)	11.6	ocini 1	2/20/96
COD	( )			Color (ADMI)		(	)		Date/Time	:	e Cy · · · ·	- 34 / 34 / 1 X
Conductivity	( )			Color (Pt-Co)		(	)		1.			
Dissolved Oxygen	( )			Cyanide		(	)		Received 1	<sup>oy:</sup> /		
Hardness	( )			Fluoride		(	)		\/;	-11- /	\ <u></u>	
Moisture %	( )			Iodine		(	)		<u> </u>	100	_	
Nitrite	( )			Nitrate		(	)					1:00 AM
Oil+Grease	( )			Nitrate + Nitrite		(	)		Date/Time	2-20	1-96	1.002
Phenol	( )			pН		(	)		Ĭ	al)		
Phosphorus, Total	( )			Phosphate, Ortho		(	)		Refinquist	ed by://		
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)		\ /,	$\mathcal{I}_{I}}}}}}}}}}$		7)
Sulfate	( )			Solids, Total		(	)			491	<u>ll</u>	
Sulfite	( )			Sulfide		(	)			0/20	-91 i	7 MANAN
TDS				Surfactant		(	)		Date/Time	e:	<u> </u>	<u> </u>
Temperature	( )			TSS		(	).					/
TOC	( )			T <b>KN</b>		(	)		Received	by: // , ,	1 , 1	
Asbestos in air	(			Turbidity		(	)			M-14	dal	
2. Metals											T he	0.1
Aluminum	(Al)	(	` `	Cadmium	(Cd)	(	)		Date/Time	e: 🔰	120/96	1:00/14
Chromium	(Cr)	$\tilde{}$	Ś	Соррег	(Cu)	ì	Ś			/	7	, ,
Iron	(Fe)	(	`	Lead	(Pb)	ì	Ś			•		
	(Mn)	(	′	Метсигу	(Hg)	ì	Ś		Matrix:			
Manganese Nickel	(Ni)	(	`	Selenium	(Se)	ì	)			air (	)	
Silver		(	)	Tin	(Sn)	ì	í	is-	\$	water (	)	
	(Ag)	(	,	Arsenic	(As)	$\sim$	<b>`</b>			sludge (	j	
Zinc Barium	(Zn)	(	,	Boron	(B)	$\sim$	Ś			soil (	j	
	(Ba) (Sb)	(	,	Beryllium	(Be)	$\tilde{}$	í			solid 🖎	<b>)</b>	
Antimony Bismuth	(Bi)	(	)	Calcium	(Ca)	ì	, ,			oil (	)	
	. ,	(	,	Cobalt	(Co)	7	<u>`</u>			mixed (	) _	0 0 - 1
Chromium, VI	(CrVI)	(	)	Molybdenum	(Mo)	(	)			other (X	) Specify:	BC Tube
Magnesium	(Mg)	(	,	Silicon	(Si)	~	Ý				,	
Potassium	(K)	(	)	Strontium	(Sr)	(	<u> </u>					
Sodium	(Na)	(	)	Titanium	(Ti)	(	). )		Тигпагои	nd time:		
Thallium	(Tl)	(	. )	Titanium	(11)	,	,					
Vanadium	( <b>V</b> )	(	)		•					1 day (	)	
3. RCRA/Hazardo										2 days (	)	
·		,	`	Corrosivity		(	)			3 days (	<b>)</b> .	
Ignitability (Flash I		(	)	TCLP		7	)			5 days (	ĵ	
Reactivity (CN & S	<b>&gt;</b> )	(	)			(			Note:	-	me is ten (10) working	
RCRA Metals		( <b>X</b>	: )	Organics-Pest/Herb Organics-VOA		(	)		11010.	days; additional char;		
Organics-BNA TOX		(°.	)	Organics-VOA		(	,			orders		
		`	,									
4. Specific Organic	es ·								Sample t	ype legend:		
Volatiles		(	)	Semi-Volitiles (BNA	7)	(	)					
Pesticides/PCB's		(	)	PCB's Only		(	)			grab samples	X	
Herbicides .		(	)	TPH/Diesel (TPH/D	1)	(	)			composite sar	nples xx	
BTEX		(	)	TTO		(	)					
TTO & Dioxin		(	)	OTHER (Specify)		(	)					
5. Microbiology												
Fecal Coliform		(	_)	Total Coliform		(	)					
,	20 g	//			1	0	i		P. P. C. C.	ON ENGINEE	NATIONAL I AT	DODATODIES
Comments:	1 all	11/	D.	11/1-1		01				ON ENVIRON		DOMATORIES
	<del>,</del>			- 11	0					a Street • Pond		212

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981

PROJECT NO.		СОМ	PANY		<i>Ŋ</i>		SAMPLER	l Landa	Partines (c)
SAMPLE LOCATIO	ON/CLIEN	r ID		PUNKNOW	w d	v 1111 #	58 ·	тме 10:307	CONTROL NO.
SAMPLE DATE					2000	T Car	1	BEL. NO.	5634
. General Environ	mental:			eggener in Marsing Charles of Fran			D. P L. J		
Acidity	- ( )			Alkalinity Bicarbonate	(	(	Relinquished	<b>8</b>	
Ammonia as N	( )				\ '	-	Whi.	. S. W	4400
BOD-5	( )			Bromide Chlories Pro	\ '	7	<del></del>	<del>/**/                                  </del>	
Chloride COD	( )			Chlorine, Res.	· · · · · · · · · · · · · · · · · · ·	?	Date/Time:	All: Millian	. 2/ <b>00</b> /9
	( )			Color (ADMI)	\ ?	,	Date/Time	~ *** ***	<del></del>
Conductivity	( )			Color (Pt-Co)	\ '		Received by:		
Dissolved Oxygen	( )			Cyanide Fluoride	\	) `	Received by.	# / A	
Iardness Moisture %	( )			Iodine	\	,	$M_{II}$		(Margarith
vioisture % Nitrite	( )			Nitrate	\ }	1	1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	37 No. 10 10 10 10 10 10 10 10 10 10 10 10 10	
	( )			Nitrate + Nitrite	}	7	Date/Time:		11:00 44
Oil+Grease Phenol	( )			pH	>	) )	Date/Time	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
hosphorus, Total	( )			Phosphate, Ortho	}		Relinquished	hv.	
Sett. Solids mg/L	( )			Sett. Solids mL/L	\ /	7	Keimquisned	oy.	
Bulfate	( )			Solids, Total	\ 1	) `			
Sulfite	( ) / )			Sulfide	}	7	<del></del>		
rds	( )			Surfactant	}	<u> </u>	Date/Time:		
Γemperature				TSS	}	,	Daw/Innc		Figure 1
гепрегатите ГОС	( )	••••		TKN	\ 7	) 1	Received by:		1000 1000
Asbestos in air	-			Turbidity		(	Received by		
Asdesios in air	( )			Lurbiany		,			
. Metals									
Aluminum 🥒 🥒	(Al)	1	)	Cadmium (Cd	N (	)	Date/Time:		
Chromium A	(Cr)	(		Copper (Cu		j .	_		
ron	(Fe)	. (		Lead (Pb		)		TARREST CONTRACTOR	
Manganese	(Mn)	` \	)	Mercury (Hg		1	Matrix:		
Nickel	(Ni)	ì	, \	Selenium (Se		Ś	ai	• ( )	
Silver	(Ag)	ì	. /	Tin (Sn		Ś		nter (🗶 )	
Zinc	(Zn)	(	, \	Arsenic (As		)	sl	idge ( )	
Barium	(Ba)	·	í	Boron (B)		ń	SC	il ( )	
Antimony	(Sb)	ì	ĺ	Beryllium (Be		)	so	lid ( )	
Bismuth	(Bi)	ì	Ś	Calcium (Ca		<b>)</b>	oi	( )	
Chromium, VI	(CrV)	D) (1		Cobalt (Co		)	m	ixed ( )	
Magnesium	(Mg)	, (	í	Molybdenum (M		·)	01	her ( ) Specify:	
Potassium	(K)	ì	Ń	Silicon (Si)		ĺ			
Sodium	(Na)	ì	Ý	Strontium (Sr		j			Application of the second
Γhallium	(Tl)	Ò	Ś	Titanium (Ti		)	Turnaround	ime:	
Vanadium	(V_)	. (	(	to the second of the second					
8.00				and the second second second second				day ( )	
3. RCRA/Hazardo	ous waste:	s					2	days ( )	
gnitability (Flash	Pt.)	1 (	¥ )	Corrosivity	( X	, )		days ( )	
Reactivity (CN &	S)	(	X )	TCLP	( <b>)</b> /			days ( )	
RCRA Metals		(	X )	Organics-Pest/Herb	(%	)	Note: no	mal turnarsund time is ten (10) works	ag
Organics-BNA		(	* )	Organics-VOA	(%	)	de	rs; additional charges apply for rush	
гох		(	)				•	lers	
1. Specific Organi	cs						Sample type	legend:	
Volatiles	100	(		Semi-Volitiles (BNA)	(	)		1 2221	
Pesticides/PCB's		(	)	PCB's Only	(	)		rab samples x	
Herbicides		(	)	TPH/Diesel (TPH/D)	(	)	c c	omposite samples xx	
BTEX		(	)	TTO	(	)			
ГТО & Dioxin		(	)	OTHER (Specify)	(	)			
5. Microbiology				P ( 200 )					
Fecal Coliform		(	)	Total Coliform	(	)			
									<u> </u>
Comments:				i.			<ul> <li>A series de la constante de la co</li></ul>	ENVIRONMENTAL L	
					100			reet ♦ Ponce, PR 00731	
							Tel.: 809-84	1-7373 ♦ Fax.: 809-841	-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

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PROJECT NO.	1	COMPAN	ΙΥ.	Mary Market	Donator	Representation of the Parket	SAMPLER	Le Commette	to Comme	
SAMPLE LOCATIO	n/CLIENT II	)		ABC Line	•	T 10		ТІМЕ	10:1574 4	CONTROL NO.
SAMPLE DATE					-20·	76		BEL, NO.		5635
l. General Environi	mental:							atti ja praeses isti		
Acidity	( _ )			Alkalinity	(	)	Relinquisl	hed by:	1	and the same
Ammonia as N	( )			Bicarbonate	(	)		Mana	$\cdot$ $\sim$ $\prime$	Muchan
3OD-5	( )			Bromide	Ş	)				<del>*                                    </del>
Chloride	( )			Chlorine, Res.	}	(	Date/Tim	` //:4	1815.14	.2//9/5
COD	( )			Color (ADMI)	}	<i>)</i>	Date, Tim	<u> </u>		<del></del>
Conductivity	( )			Color (Pt-Co)	<b>`</b>	<b>,</b>	Received	hv: s		
Dissolved Oxygen	( )			Cyanide	}	<b>)</b>	RCC 110	vj	Λ	
Hardness	( )			Fluoride Iodine	ì	) \	V	) ہلایا		Miles
Moisture %	( )			Nitrate		<i>)</i>		-	4	
Nitrite	( )			Nitrate + Nitrite	Y	<b>1</b>	Date/Tim	e: 🐝 * 5	1	WY WILL
Oil+Grease	( )			pH	(	) \	<i>J</i> ,	V		
Phenol	( )			Phosphate, Ortho	$\sim$	<b></b>	Relinquis	hed by:		
Phosphorus, Total	( )			Sett. Solids mL/L	(	7	• • • • • • • • • • • • • • • • • • • •			
Sett. Solids mg/L Sulfate	( )			Solids, Total	X (	<b>`</b>				
Sulfite	( )			Sulfide	$\stackrel{>}{i}$	<b>`</b>				
rds	( )			Surfactant	7	, 1	Date/Tim	ie:	4-100,000,000	
Temperature	, ,			TSS	$\tilde{i}$	<b>`</b>			1.12.22	
TOC	, ,			TKN		ì	Received	by:		
Asbestos in air	( )	<b>,</b>		Turbidity	) : (	)				
2. Metals				en e					25.66	
Aluminum	(Al)	(	)		`d) (	)	Date/Tim	ie:		
Chromium	(Cr)	(	)		Cu) (	)				
lron	(Fe)	(	)		ъ) (	)				
Manganese	(Mn)	(	)		lg) (	)	Matrix:		1000	
Nickel	(Ni)	(	)		Se) (	)		air (	)	
Silver	(Ag)	(	)		in) (	)		water (	1	
Zinc	(Zn)	(	)		As) (	)		sludge ( soil (	(	
Barium	(Ba)	•	)		3) (	)		solid ()	, (	
Antimony	(Sb)		)		3e) (	)		oil (	•	
Bismuth	(Bi)		)		Ca) (	7		mixed (	΄	
Chromium, VI	(CrVI)	(	)		Co) (	7		other (	Specify:	78 <i>C</i>
Magnesium	(Mg)	(	)		Mo) (•W	7		Office ( )	", ) open,,. <u></u>	
Potassium	(K)	(	)		Si) (	1				
Sodium (	(Na)	(	) .		Sr) (	4	Turnaro	und time:		
Thallium	(Tl)	(		Titanium (	Γi) (	)	<b>A</b> UK MUNI			
Vanadium	(V)	V	)					1 day (	)	
3. RCRA/Hazardo	no mostes							2 days (	j	
Ignitability (Flash		(	١	Corrosivity	- (	١		3 days (	)	
Reactivity (CN &		(		TCLP	ì	)		5 days (	)	
RCRA Metals	~)	(**		Organics-Pest/Herb	ì	j	Note:		time is ten (10) working	
Organics-BNA			) )	Organics-VOA	ì	j i		days; additional cha		
TOX		(	)	G18770	<b>`</b>			or ders		
4. Specific Organi	cs						Sample	type legend:		
Volatiles		(	)	Semi-Volitiles (BNA)	(	)				
Pesticides/PCB's		(	)	PCB's Only	(	)		grab samples		
Herbicides		(	)	TPH/Diesel (TPH/D)	(	)		composite sa	mples xx	
BTEX		(	)	TTO	(	)				
TTO & Dioxin	10.0	(	)	OTHER (Specify)	(	)				
5. Microbiology				Total California		<b>\</b>			see the second	
Fecal Coliform		(	)	Total Coliform	(	)				
Comments:							вескт	ON ENVIRO	NMENTAL LAI	BORATORIES
Comments.						10000		la Street 🔸 Pon		
	es estropologico (Construito). Notas estropologico (Const		atautaran Positista		Francisco (Francisco)		Tal - 20	0_841_7373 🌢	Fax · 809-841-7	313

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PROJECT NO.	C	OMPANY	Description Di		SAMPLER ( CONTRACTOR OF THE CO				
SAMPLE LOCATION	n/CLIENT ID		WWTPO	leaning in	atin	TIME	10:4544	CONTROL NO.	
SAMPLE DATE				. D = 47 (,	BEL. NO. 56				
1. General Environr	nental:	2 12 2			inger og seg				
Acidity	( )		Alkalinity	( )	Relinquish	ed by:	. <b>/</b>		
Ammonia as N	( )		Bicarbonate	( )	77	and and a	-19653		
BOD-5	( )		Bromide	( )	- <del></del>	· • • • • • • • • • • • • • • • • • • •	<u>*************************************</u>	<del>~~</del>	
Chloride	( )		Chlorine, Res.		Date/Time	. 11900	P 7	A/17/91	
COD	( )		Color (ADMI)	( ) / (	Date/Time		2.5.5		
Conductivity	( )		Color (Pt-Co) Cyanide	( )	Received l	1 <b>V</b> 'Å	<i>⊶</i> ′) Λ		
Dissolved Oxygen Hardness	( )		Fluoride	( )		704	77	***	
Moisture %	( )		Iodine	( )	7.			News	
Nitrite	$\tilde{i}$		Nitrate	( )		and the second	a supplied to the second second	HEODAM	
Oil+Grease	( )		Nitrate + Nitrite	( )	Date/Time	y:	- 10	Hinny V.	
Phenol	( )		pН	( )				199	
Phosphorus, Total	( )		Phosphate, Ortho	( )	Relinquish	ied by:	Secure const		
Sett. Solids mg/L	( )		Sett. Solids mL/L	( )			10000		
Sulfate	( )		Solids, Total	( )	<u> </u>				
Sulfite	( )		Sulfide	( )	Σ + <b>σ</b> τ'				
TDS	( )		Surfactant	( )	Date/Time	3 <u></u>		<u> </u>	
Temperature	. ( )		TSS TKN	( )	Received	hv:	1964 (397) (13.47)		
TOC Asbestos in air	( )		Turbidity	· ( )	Received	<b>97.</b>			
	( )		Turousiy		· .		2000	<u> </u>	
2. Metals			an properties of work his plane	aleksander alleks best	Date/Time		100	L	
Aluminum	(Al)	( )	Cadmium (Cd)		Date/1 IIII	E			
Chromium	(Cr)	( )	Copper (Cu) Lead (Pb)				EE A STATE		
Iron Manganese	(Fe) (Mn)	( )	Mercury (Hg)	( )	Matrix:				
Nickel	(Ni)	( ) ( )	Selenium (Se)	( )		air (	)		
Silver	(Ag)	( )	Tin (Sn)	· ( )		water (§	( <b>x</b> ()		
Zinc	(Zn)	( )	Arsenic (As)	( )		sludge (	<b>,</b>		
Barium	(Ba)	( )	Boron (B)	( )		soil (	)		
Antimony	(Sb)	( )	Beryllium (Be)	( )		solid (	)		
Bismuth	(Bi)	( )	Calcium (Ca)	( )		oil (	)		
Chromium, VI	(CrVI)	( )	Cobalt (Co)	( )	age of the second	mixed (	) \ G;E		
Magnesium	(Mg)	( )	Molybdenum (Mo)	( )		other (	) Specify:		
Potassium	(K)	( )	Silicon (Si)	( )					
Sodium	(Na)	( )	Strontium (Sr)		Turnarou	nd time:			
Thallium Vanadium	(Tl) (V)	( )	Titanium (Ti)		<b></b>				
v anautum	(* )					1 day (	)		
3. RCRA/Hazardo	us wastes					2 days (	)		
Ignitability (Flash I		(X X)	Corrosivity	(XX)		3 days (	)		
Reactivity (CN & S	S)	(X Y)	TCLP	( )	ranggal sa sere	5 days (	)		
RCRA Metals		( )	Organics-Pest/Herb	( )	Note:		time is ten (10) working		
Organics-BNA TOX		( )	Organics-VOA	( )		days; additional ch orders	arges apply for rush		
		``	777738440						
4. Specific Organic	cs				Sample t	ype legend:			
Volatiles		( )	Semi-Volitiles (BNA)	( )		grab sample	s x		
Pesticides/PCB's Herbicides		( )	PCB's Only TPH/Diesel (TPH/D)	( )		composite s			
BTEX		( )	TTO	( )		•			
TTO & Dioxin		( )	OTHER (Specify)		elektrikan	The LANGE OF			
5. Microbiology									
Fecal Coliform		( )	Total Coliform	( )			1917		
					BESTER	ON ENGINE	NMENTAL LAB	ORATORIFS	
Comments:			* * * * * * * * * * * * * * * * * * *				nce, PR 00731	JAN ORID	
							Eov - 800 841-77	112	

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(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4) The following preservatives must be always employed:
Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;
H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other
parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.



### BECKTON ENVIRONMENTAL

LABORATORIES, INC.

### ANALYSIS REPORT

Att.: Ms. Nancy Texeira General Electric- Juana Díaz

Date: September 26, 1996

Lab Name: Beckton Environmental Laboratories

Contract: General Electric Description: Agua de Lavado (IDM)

Lab. sample ID: BEL-21730 Date: 09/06/96

Lab. file ID: BEL21730

Sampled by: N. Rivera

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-21730
Temperature pH Aluminum Cadmium Cr, Total Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc BOD5 COD Oil & Grease SS Cyanide TSS Flash Point	170.1 150.1 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 245.1 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 200.7(ICAP) 300.7(ICAP) 405.1 410.4 413.1 Std. Method 335.2 160.1 SW-846 1010	Spot Spot Grab Grab Grab Grab Grab Grab Grab Grab	°C S.U. mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	27.0 7.78 2.718 0.0373 7.919 153. 172. 0.0395 0.7208 <0.0004 0.4013 <0.002 <0.00075 <1.0 56.17 39.8 478. 13.2 582. <0.02 573. >140

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Laboratory Direction Lcdo. Rafael Chemist Licenses

Cafael Infante Méndez

192 VILLA STREE PONCE, P.R. 00731 TEL: (787) 841-7373 FAX (787) 841-7313

PROJECT NO.		COMPANY	- Tuana	Ding			SAMPLER	. Live	a	
SAMPLE LOCATION	n/clien	riD	Jogn	a de	lour	6 (1D)	<b>7</b>	TIME	11:292	CONTROL NO.
SAMPLE DATE			, , , , , , , , , , , , , , , , , , , ,	9-6-	96		<i>J</i>	BEL. NO.	21730	13878
1. General Environr	nental:				, ,		n e sta		<i>a</i> - 1	
Acidity	( , - )		Alkalinity		( )		Relinquish	ea by:	· 1	
Ammonia as N	( )		Bicarbonate		( )		٨ .	A. N	. 1	
BOD-5 Chloride	$\mathcal{S}$		Bromide		( )		- Jorg	C 0 0		
COD			Chlorine, Res. Color (ADMI)		( )		Date/Time	\ q/c/	96 1	1:30 A.M
Conductivity	X :		Color (Pt-Co)		( )		Day	<del>9 / /</del>		
Dissolved Oxygen	( )		Cyanide		( <b>V</b> ).		Received ]	ov:	$\bigcirc$	
Hardness	( )		Fluoride		(1)			///	IX	
Moisture %	( )		Iodine		( )			estat >	K, ve	٠.
Nitrite	( )		Nitrate		( )		/		<u> </u>	
Oil+Grease		w	Nitrate + Nitri	te	( )	770	Date/Time	9-6-	96 11:3	5AM
Phenol	$\langle X \rangle$		рН		( معن	7.78				
Phosphorus, Total	( )		Phosphate, Ort	ho			Relinquish	ned by:	1	
Sett. Solids mg/L	$(\mathbf{x})$		Sett. Solids mL		ì		1	/1,	V.	
Sulfate	~~ `		Solids, Total		i i		/1/	estat-	Mine	
Sulfite	·( )		Sulfide		( )			/ /	- /	211
TDS	( )	2001	Surfactant		<u>(</u> )		Date/Time	e: <u>9-6-</u>	96 1:	34/19
Temperature	(محز)	5/0	TSS		( X			1		•
TOC	$-(\mathbf{V})$		TKN		(		Receive	bah	. 1	
Asbestos in air	( )		Turbidity		( )			Berasta	in	
2. Metals			Table Services	e de la companya del companya de la companya del companya de la co			<del></del>	GI.	101. 10	· Oam
Aluminum	(Al)	( <b>X</b> )	Cadmium	(Cd)	( <b>X</b> )		Date/Tim	e: <i>1]Q</i>	144 U	:00pm
Chromium	(Cr)	· 🕉	Copper	(Cu)				•	1	1
Iron	(Fe)	(X)	Lead	(Pb)	$(\mathbf{x})$				1.	
Manganese	(Mn)	( <b>X</b> )	Mercury	(Hg)	( <b>X</b> )		Matrix:			
Nickel	(Ni)	<b>(X</b> )	Selenium	(Se)	(X)			air (	)	
Silver	(Ag)	( <b>X</b> )	Tin	(Sn)	$(\mathbf{X})$			water (2	<b>T</b> )	
Zinc	(Zn)	(X )	Arsenic	(As)	(`)			sludge (	<b>)</b>	
Barium	(Ba)	( )	Boron	(B)	( )			soil (	)	
Antimony	(Sb)	( )	Beryllium	(Be)	( )			solid (	)	
Bismuth	(Bi)	( )	Calcium	(Ca)	( )			oil (	.)	
Chromium, VI	(CrV	D ( )	Cobalt	(Co)	( )			mixed (	) Suna sifera	
Magnesium	(Mg)	( )	Molybdenum	(Mo)	( )			other (	) Specify:	
Potassium	(K)	( )	Silicon	(Si)	( )					
Sodium	(Na)	( )	Strontium	(Sr)	( )		Тигпагои	ad time:		
Thallium Vanadium	(Tl) (V)	( )	Titanium	(Ti)	( )		lurnarou	na ume:		
	(* )							1 day (	)	
3. RCRA/Hazardou	us waste	s						2 days (	)	
Ignitability (Flash I	Pt.)	( <b>X</b> )	Corrosivity		( )			3 days (	)	
Reactivity (CN & S		( )	TCLP		( )			5 days (	)	
RCRA Metals		( )	Organics-Pest	Herb	( )		Note:	normal turner-sund	time is ten (10) working	
Organics-BNA		( )	Organics-VOA	<b>\</b>	( )			days; additional ch	arges apply for rush	
TOX		. ( )						orders		
4. Specific Organic Volatiles	es	( )	Semi-Volitiles	(R <b>N</b> A)	( )		Sample ty	ype legend:		
Pesticides/PCB's		. (, )		(DITIT)	( )			grab sample	s X	
Herbicides		( )		PH/D)	( )			composite sa		
BTEX		( )		/	( )			•	-	
TTO & Dioxin		( )		eifv)	( )					
5 Microbiology			in the second of							
5. Microbiology Fecal Coliform		. ' .	Total Coliforn		( )					
r con Comorni		( )			( )					
Comments:									NMENTAL LAI	BORATORIES
									ice, PR 00731	
							Tel.: 809	9-841-7373 ♦	Fax.: 809-841-7	313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

Definition

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
  - 2. it is in your view, after being in your possession, or
  - 3. it was in your possession and you locked it up, or
  - it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed

#### Procedure for filling chain-of-custody forms

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Backton's

gora Mare is

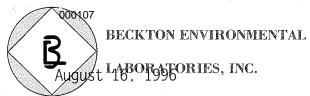
Chain of custody shall be completed using black waterproof ink. The information recorded should include:

**Project Number:** A number given to the project, optional. Company: The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected. Sampler: **BEL ID Number:** Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoicing. Control No.: Customers will utilize this number for determining status of samples. Date: A six digit number indicating day of collection, month and the year. Time: A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed. Sample matrix: Check appropriate space for the following sample matrix: water; solid; air, sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix. Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab. Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt, trip blanks, field blanks or duplicates samples were taken. Analysis: Each parameter to be analyzed should be marked with an "X" or "XX" Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be legible. If not legible, print name above signature. Note: (1)

- The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements.

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    parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.



### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Tanque de Ponce G.E., Juana Díaz

Lab Name: Beckton Environmental Laboratories

Sampler: L. Rivera

Matrix: Solid

Lab. sample ID:

BEL-20855

Sample wt/vol: 200/25.0 ( g/mL) g

Lab. File ID: 20855TCL

Column: (pack/cap)

capillary

Date Received: 07/3

07/31/96

Date Extracted: 07/31/96

0//31/96 08/12/96 (V)

Date Analyzed:

08/13/96 (H)

08/08/96 (P)

08/09/96 (SV)

# MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
).	METALS (SW-846 7000's)			
D004 D005 D006 D007 D008 D009 D010 D011	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	N.D. N.D. 0.201 N.D. N.D. N.D. N.D.	0.005 0.300 0.01 0.05 0.500 0.0004 0.005 0.02	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0
	PESTICIDES (SW-846 8080)			
D020 D012 D031 D013 D014 D015	Chlordane Endrin Heptachlor (and its OH) Lindane Methoxychlor Toxaphene	N.D. N.D. N.D. N.D. N.D. N.D.	0.002 0.002 0.0005 0.004 0.010 0.025	0.03 0.02 0.008 0.4 10.0 0.5

N.D.- not detected



SAMPLE IDENTIFICATION: BEL-20855

EPA HAZRDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	HERBICIDES (SW-846 8150)			
D016 D017	2,4-D 2,4,5-TP (Silvex)	N.D. 0.102	. 25 . 05	10.0 1.0
	VOLATILE ORGANICS (SW-846	8010; 8015	; 8021)	
D018 D019 D021 D022 D027 D028 D029 D035 D039 D040 D043	Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Methyl Ethyl Ketone Tetrachloroethylene Trichloroethylene Vinyl Chloride	N.D. N.D. O.454 N.D. N.D. N.D. N.D. N.D. N.D.	.040 .040 .040 .040 .040 .040 .040 5.00 .040 .04	0.5 0.5 100.0 6.0 7.5 0.5 0.7 200.0 0.7 0.5
	SEMI-VOLATILE ORGANICS (S	W 8270)		
D023 D024 D025 D030 D032 D033 D034 D036 D037 D038 D041 D042	o-Cresol m-Cresol p-Cresol 2,4-Dinitrotoluene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pentachlorophenol Pyridine 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	.01 .01 .01 .01 .01 .01 .01 .01	200.0 200.0 200.0 0.13 0.13 0.5 3.0 2.0 100.0 5.0 400.0 2.0

N.D.- not detected



SAMPLE IDENTIFICATION: BEL-20855

### IGNIGTABILITY: Hazardous Waste Number D 001

Flash point. Not applicable. The U.S. Environmental Protetion Agency have not published a method to determine flammability of solid samples.

The samples identified above does not have any of the properties defined and assigned to ignitable liquid wastes.

#### CORROSIVITY: Hazardous Wastes Number D 002

Sample does not exhibit the characteristics of corrosivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

pH not applicable. However, for handling purposes the pH of the sample measured in water was 8.54  $\,$  at 23  $^{\circ}$  C.

### REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide < 10 ppm (500 ppm limit) Cyanide < 10 ppm (250 ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

CIADO

Teodoro V Quinones Multiz Lic. # 3215

Lcdo. Teodoró V Quiñon OC Officer

Chemist License 3215

192 VILLA STREET PONCE, P.R. 00731

Hardenses     Fluoride	PROJECT NO.		COMPANY	/	(درین	D	~~	SAMPLER C. Rivers
Control Excironmental Exciro	SAMPLE LOCATIO	N/CLIENT I	D	TAN	Sec.	d f	onc,	TIME 10.30 CONTROL NO.
Alkalinity   Beinspubsed by   Beinspub	SAMPLE DATE			7-	3)-5	6		BEL. NO. 2085 2876
Date/Time:     Date/Time:		mental:						
Solo-5	•	( , )		•		( )		Relinquished by
Chloride   Chlorine, Res		( )				( )		dittigan L. Yorkson
Color (ADMM)	<del>-</del>	( )				( )		
Conductivity   Color (Pt-Co)	1.2.5	( )				( )		Date/Time: 7/31/96 / 11:00 AM
Dissolved Oxygen		( )		` ,		( )		Date/Time.
Hardness	Dissolved Oxygen	( )		• •		( )		Received by:
Nitrate	Hårdness	( )		•		( )		
Nitrate + Nitrite	Moisture %	( )		Iodine		( )		
Phenol	Nitrite	( )		Nitrate		( )		
Phosphate, Ortho   Phosphate, Ortho   Sett. Solids mg/L   Sett. Solids mg/L   Solids mg/L   Solids, Total	Oil+Grease	( )				( )		Date/Time: 3/-56 - 11:05 AL
Sett. Solids mg/L   Sett. Solids mf/L   Solids, Total   Solids (		( )		•		( )		
Solida   S	•	( )				( )		Relinquished by:
Sulfide	<u> </u>	( )			_	( )	بدرمه ا	
Date/Time:   Surfactant   Sur		( )				( )	E. Com	
Temperature	TDS	( )				( )		Date/Time: 3-54-56, 2,200
TKN		( )				( )		Date/Time.
Ashestos in air	TOC	( )				( )		Received by:
	Asbestos in air	( )		Turbidity		( )		Buratain
Aluminum								pourace
Chromium   Cr     Copper   Cu   Cu   Copper   Cu   Cu   Cu   Cu   Cu   Cu   Cu   C	2. Metals			* *				7/21/01 5:10 mm
		, ,	( )		• •	( )		Date/Time: 1/31/79 3.00/07/
Manganese   (Mn)   ( )   Mercury   (Hg)   ( )   Matrix:			` '	• •	• ,	( )		,
Nickel		` '	( )		• ,	( )		Matrix
Silver	-	` /	( )	•		( )		
Zinc	Silver	` '			` /	( )		` ,
Barium   (Ba)   (	Zinc	. •		<del></del>	` '	( )		* /
Bismuth	Barium		( )		` '	( )		
Chromium, VI   (CrVI)   (	Antimony	(Sb)	( )	Beryllium	(Be)	( )		solid ( )
Magnesium   (Mg)   ( )   Molybdenum   (Mo)   ( )   other   ( )   Specify: SM   Molybdenum   (Mo)   ( )   other   ( )   Specify: SM   Molybdenum   (Mo)   ( )   other   ( )   Specify: SM   Molybdenum   (Mo)   ( )   other   ( )   Specify: SM   Molybdenum   (Mo)   ( )   other   (Molybdenum   (Moly	Bismuth	(Bi)	( )	Calcium	(Ca)	( )		oil ( )
Potassium (K) ( ) Silicon (Si) ( ) Sodium (Na) ( ) Strontium (Sr) ( ) Thallium (TI) ( ) Titanium (Ti) ( ) Turnaround time:    1 day ( )	Chromium, VI	(CrVI)	( )	Cobalt	(Co)	( )		mixed ( )
Sodium (Na) ( ) Strontium (Sr) ( )  Thallium (Tl) ( ) Titanium (Ti) ( )  RCRA/Hazardous wastes  3. RCRA/Hazardous wastes  4. Specific Organics  Fox  Volatiles  Volatiles  ( ) Semi-Volitiles (BNA) ( )  Restricted SyPCB's ( ) PCB's Only ( )  Refresh ( ) TTO  TTO  Semi-Volitiles (BNA) ( )  Refresh ( ) TTO  TTO  Semi-Volitiles (BNA) ( )  Restricted SyPCB's ( ) PCB's Only ( )  Refresh ( ) TTO  TTO  TTO  TTO  BECKTON ENVIRONMENTAL LABORATORIES  LOW Wills Street A Page PR 00731	Magnesium		( )	•	, ,	( )		other ( ) Specify: S/H ( outs 164)
Thallium (TI) ( ) Titanium (Ti) ( ) Turnaround time:  Vanadium (V) ( )  3. RCRA/Hazardous wastes  gnitability (Flash Pt.) (XX Corrosivity (XX 3 days ( ) )  Reactivity (CN & S) (XX Corrosivity (XX 3 days ( ) )  Reactivity (CN & S) (XX Corrosivity (XX 3 days ( ) )  RCRA Metals (XX Organics-Pest/Herb (XX Note: normal terms rand time is ten (10) working days; additional charges apply for resth orders  FOX ( )  4. Specific Organics  Volatiles ( ) Semi-Volitiles (BNA) ( )  Pesticides/PCB's ( ) PCB's Only ( ) grab samples x  Herbicides ( ) TPH/Diesel (TPH/D) ( ) composite samples xx  BTEX ( ) TTO ( )  FTO & Dioxin ( ) OTHER (Specify) ( )  5. Microbiology  Fecal Coliform ( ) Total Coliform ( )  Ecomments: Field & Blass 2 STS  BECKTON ENVIRONMENTAL LABORATORIES			( )		(Si)	( )		•
Variation   Vari			( )			( )		There are used times
1 day ( ) 2 days ( ) 2 days ( ) 3 days ( ) 3 days ( ) RCRA/Hazardous wastes  (gnitability (Flash Pt.) ( XX Corrosivity ( XX C				Hanlum	(11)	( )		Turnaround time:
S. RCRA/Hazardous wastes   2 days   1   1   1   1   1   1   1   1   1	, and drain	(*)	( )					1 day ( )
Reactivity (CN & S)  RCRA Metals  Organics-Pest/Herb  Organics-VOA  Organics-VOA  (A)  Specific Organics  (BNA)  (C)  Semi-Volitiles (BNA)  (C)  Pesticides/PCB's  (C)  TTO  (C)  TTO  (C)  TTO  (C)  TTO  (C)  TTO  (C)  TTO  (C)  Total Coliform  (C)  BECKTON ENVIRONMENTAL LABORATORIES  102 Ville Street A Ponce PR 00731	3. RCRA/Hazardoi	us wastes						- · · · · · · · · · · · · · · · · · · ·
Reactivity (CN & S)  RCRA Metals  Organics-Pest/Herb  Organics-VOA  Organics-VOA  Organics-VOA  (A. Specific Organics  Volatiles  (BNA)  OPESicoldes/PCB's  OPEB's Only  OPED's Only  OPED'	Ignitability (Flash I	Pt.)	(XX	Corrosivity		(KX)		3 days ( )
Organics-Pest/Herb Organics-BNA Organics-VOA  A. Specific Organics Volatiles ( ) Semi-Volitiles (BNA) ( ) Pesticides/PCB's ( ) PCB's Only ( ) BTEX ( ) TTO ( ) TTO & Dioxin  Total Coliform  Comments:  Field Blank - 20875  Note: acreal terrare and time is ten (10) working days; additional charges apply for right or days; additiona	Reactivity (CN & S	S)	$(\mathbf{x},\mathbf{x})$	TCLP		(		5 days ( )
A. Specific Organics  Sample type legend:  Volatiles  () Semi-Volitiles (BNA) () Pesticides/PCB's () PCB's Only () grab samples  x Herbicides () TPH/Diesel (TPH/D) () composite samples  xx  BTEX () TTO ()  TTO & Dioxin () OTHER (Specifv) ()  Comments: Field  Bland - 2085  BECKTON ENVIRONMENTAL LABORATORIES  193 Villa Street A Pance PR 00731	RCRA Metals				erb	XX		Note: normal furnar aund time is ten (10) working
Volatiles ( ) Semi-Volitiles (BNA) ( ) Pesticides/PCB's ( ) PCB's Only ( ) grab samples x Herbicides ( ) TPH/Diesel (TPH/D) ( ) composite samples xx  BTEX ( ) TTO ( )  TTO & Dioxin ( ) OTHER (Specify) ( )  5. Microbiology Fecal Coliform ( ) Total Coliform ( )  Comments: Field Blant 20876  BECKTON ENVIRONMENTAL LABORATORIES	Organics-BNA TOX			Organics-VOA				
Pesticides/PCB's ( ) PCB's Only ( ) grab samples x Herbicides ( ) TPH/Diesel (TPH/D) ( ) composite samples xx  BTEX ( ) TTO ( )  TTO & Dioxin ( ) OTHER (Specify) ( )  5. Microbiology Fecal Coliform ( ) Total Coliform ( )  Comments: Field Blant - 20856  BECKTON ENVIRONMENTAL LABORATORIES		es						Sample type legend:
Herbicides ( ) TPH/Diesel (TPH/D) ( ) composite samples xx  BTEX ( ) TTO ( )  TTO & Dioxin ( ) OTHER (Specify) ( )  5. Microbiology  Fecal Coliform ( ) Total Coliform ( )  Comments: Field Blant - 20856  BECKTON ENVIRONMENTAL LABORATORIES	Volatiles		( )		NA)	( )		
STEX () TTO ()  TTO & Dioxin () OTHER (Specify) ()  5. Microbiology  Fecal Coliform () Total Coliform ()  Comments: Field Blant - 20856 BECKTON ENVIRONMENTAL LABORATORIES  193 Villa Street A Ponce PR 00731	Pesticides/PCB's		, ,					·
TTO & Dioxin ( ) OTHER (Specify) ( )  5. Microbiology  Fecal Coliform ( ) Total Coliform ( )  Comments: Fiel & Blant - 20856 BECKTON ENVIRONMENTAL LABORATORIES  193 Villa Street & Pance, PR 00731					1/D)			composite samples xx
5. Microbiology  Fecal Coliform ( ) Total Coliform ( )  Comments: Field Blant - 20856  BECKTON ENVIRONMENTAL LABORATORIES			, ,		·)			
Fecal Coliform ( ) Total Coliform ( )  Comments: Field Blant - 20856  BECKTON ENVIRONMENTAL LABORATORIES  102 Villa Street A Pance PR 00731	. TO the Dioxili		( )	OTHER (Specify		( )		
Comments: Field Blass - 20856  BECKTON ENVIRONMENTAL LABORATORIES  102 Villa Street A Pance PR 00731	5. Microbiology							
102 Villa Street & Pance PR 00731	Fecal Coliform		( )	Total Coliform		( )		
192 Villa Street • Ponce, PR 00731  Tal - 800 841 7373 • Fay - 800 841 7313	Comments: Fi	eld	Blo	ns - 20!	156			
		90						

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

Time:

Sample type:

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

Definition

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

1. it is in your possession, or

2. it is in your view, after being in your possession, or

3. it was in your possession and you locked it up, or

4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: A number given to the project, optional.

Company: The name of the Company. If there companies with the same name, specified the city

(place). Site were samples are obtained or specific project for which samples are

collected.

Sampler: Each sampler is identified.

BEL ID Number:

Laboratory Identification Number unique for each sample and assigned by Beckton.

Control No.:

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

Date: A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed.

Sample matrix: Check appropriate space for the following sample matrix: water; solid; air; sludge, soil,

solid, mixed waste, or other. In the event other is selected specify the sample matrix. Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving

will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements.

If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4) The following preservatives must be always employed:
Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;
H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other
parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

PROJECT NO.		сомі	PANY	CE =	SURN	۱ کر	ر, <i>ح</i> ا	SAMPLER C. RIVER
SAMPLE LOCATION	N/CLIENT	'ID		Mexcla	Anua	Δc	eite	y JASON TIME POLYO CONTROL NO.
SAMPLE DATE				7-	31-	7 <u>6</u>		BEL. NO. 30858
1. General Environs	mental:			AH 15 %		,	`	Pallin anished hum
Acidity	( , )			Alkalinity		(	)	Relinquished by:
Ammonia as N BOD-5	( )			Bicarbonate		(	)	Orith the L. York
Chloride	( )			Bromide		(	)	
COD	( )			Chlorine, Res.		(	)	Date/Time: 7-31-96 /11:00Am
Conductivity	( )			Color (ADMI)		(	)	Date/Time.
•	( )			Color (Pt-Co)		(	)	Received by:
Dissolved Oxygen Hardness	( )			Cyanide		(	)	Received by.
	( )			Fluoride		(	)	
Moisture % Nitrite	( )			Iodine Nitrate		(	)	
Oil+Grease	( )					(	,	Date/Time: 7-31-96- 1/105An
Phenol	( )			Nitrate + Nitrite		(	)	Daic/Time.
	( )			pH		(	)	Relinquished by:
Phosphorus, Total	( )			Phosphate, Ortho		(	)	Reinquisited by
Sett. Solids mg/L Sulfate	( )			Sett. Solids mL/L		(	)	
Sulfite	( )			Solids, Total Sulfide		(	,	
TDS	( )					(	,	Date/Time: 2-3/-70 2 2
	( )			Surfactant		(	)	Date/Time.
Temperature TOC	( ).	• • • •		TSS TKN		(	)	Received by:
Asbestos in air	( )			Turbidity		(	)	Berastain
2. 14-4-1								
2. Metals	(A1)	,	,	G 4:	(CA)	,	`	Date/Time: 7/31/94 5:00 pm
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	,	Date/Time.
Chromium	(Cr)	(	)	Copper	(Cu)	(	)	•
Iron	(Fe)	(	)	Lead	(Pb)	(	)	Matrix:
Manganese	(Mn)	(	)	Mercury	(Hg)	(	,	air ( )
Nickel Silver	(Ni)	(	)	Selenium	(Se) (Sn)	(	,	water ( )
-	(Ag)	(	)	Tin Amania	. ,	(	)	sludge ( )
Zinc Barium	(Zn)	(	)	Arsenic Boron	(As) (B)	(	,	soil ( )
	(Ba) (Sb)	(	)	Beryllium	(Be)	(	)	solid ( )
Antimony Bismuth	`'	(	,	Calcium	(Ca)	(	,	oil ( )
Chromium, VI	(Bi)	. (	,	Cobalt	(Ca) (Co)	(	)	mixed ( )
	(CrVI)	) (		Molybdenum	(Mo)	(	,	other (x) Specify: Asing a cite Sa
Magnesium	(Mg)	(	)	•		(	,	oner () speedly. 177 June 1
Potassium Sodium	(K)	(	)	Silicon Strontium	(Si)	(	,	
Thallium	(Na)	(	)		(Sr) (Ti)	(	) .	Turnaround time:
	(Tl)	(	)	Titanium	(11)	(	)	Turnaround ame.
Vanadium	(V)	(	)					1 day ( )
3. RCRA/Hazardou	ic wacter							2 days ( )
Ignitability (Flash P		1	١	Corrosivity		(	)	3 days ( )
Reactivity (CN & S		(	) }	TCLP Z	· @ L.J @	( <u>)</u>	اکسہ	5 days ( )
RCRA Metals	•,	( (~	ا اصاء	Organics-Pest/He		(	$\sim$	Note: normal turner sund time is ten (10) working
Organics-BNA		٧	~	Organics-VOA		(	í	days; addisional charges apply for rush
TOX		(s	ريخ	Organies v ori		,	,	or der s
4. Specific Organic	:s							Sample type legend:
Volatiles		(	)	Semi-Volitiles (B	NA)	(	)	t
Pesticides/PCB's		(	)	PCB's Only	- /F- \	(	)	grab samples x
Herbicides		(	)	TPH/Diesel (TPI	H/D)	(	)	composite samples xx
BTEX		(	. )	TTO		(	)	•
TTO & Dioxin		(	)	OTHER (Specify		(	)	
5. Microbiology Fecal Coliform		(	)	Total Coliform		(	)	
<u>~</u>	1 -		-			`	,	
Comments:	ield	B	10	w- 208	35	<del></del>		BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street • Ponce, PR 00731
				70 0 5				Tel : 800-841-7373 • Fax : 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

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> 1. it is in your possession, or

2 it is in your view, after being in your possession, or

it was in your possession and you locked it up, or

it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

3.

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number:

Company:

A number given to the project, optional. The name of the Company. If there companies with the same name, specified the city

(place). Site were samples are obtained or specific project for which samples are

collected.

Sampler:

Each sampler is identified.

**BEL ID Number:** Control No.:

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples.

Date:

A six digit number indicating day of collection, month and the year.

Time:

Comments:

A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed. Sample matrix:

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type:

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Sampler should specify field observations or abnormal conditions. For example: If spilt, trip blanks, field blanks or duplicates samples were taken.

Analysis: Relinquished and received by:

Each parameter to be analyzed should be marked with an "X" or "XX"

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note:

- (1)The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
- (2)Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
- (3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
- (4) The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO3 for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

PROJECT NO.		COMPANY	CiEnton	12 12 14 12	SAMPLER
SAMPLE LOCATIO	N/CLIENT I	ID.	Macle Agua	Acrite 6	TIME / CONTROL NO.
SAMPLE DATE			7-31-	76	BEL. NO. 2877
1. General Environ	mental:				
Acidity	( )		Alkalinity	( )	Relinquished by:
Ammonia as N	-( )		Bicarbonate	( )	S. C. S. L. G. G. S.
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	Date/Time: 7-51-96 //1:674/m
COD	( )		Color (ADMI)	( )	Date/Time:
Conductivity	( )		Color (Pt-Co)	( )	Description of the second seco
Dissolved Oxygen	( )		Cyanide	( )	Received by:
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodine	( )	
Nitrite	( )		Nitrate	;	Date/Time: 7-3/_ 56 - // 35 A.a.
Oil+Grease	( )		Nitrate + Nitrite	( )	Date/Time:
Phenol	( )		pH	( )	Palisaniahad ker
Phosphorus, Total	( )		Phosphate, Ortho	( )	Relinquished by:
Sett. Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total		
Sulfite TDS	( )		Sulfide		Date/Time:
	( )		Surfactant TSS		Date/Tille,
Temperature TOC	( )		TKN		Received by:
Asbestos in air	( )		T KN Turbidity	} }	Accepted by
Asuesius III ali	( )		Turbiany		
2. Metals	2.1		o		Day Circ.
Aluminum	(Al)	( )	Cadmium (Cd)	( )	Date/Time:
Chromium	(Cr)	( )	Copper (Cu)	( )	
Iron	(Fe)	( )	Lead (Pb)	( )	Matrix:
Manganese	(Mn)	( )	Mercury (Hg)	( )	
Nickel Silver	(Ni)	( )	Selenium (Se) Tin (Sn)		air ( ) water ( )
Zinc	(Ag)	( )			sludge ( )
Barium	(Zn) (Ba)	( )	Arsenic (As) Boron (B)	( )	soil ( )
Antimony	ongotoka reaktokoa	( )	Beryllium (Be)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	solid ( )
Bismuth	(Sb) (Bi)	( )	Calcium (Ca)	·	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt (Co)	( )	mixed ( )
Magnesium	(Mg)	( )	Molybdenum (Mo)	( ) ( )	other ( ) Specify:
Potassium	(K)	7 1	Silicon (Si)	- X	
Sodium	(Na)		Strontium (Sr)	· }	
Thallium	(Tl)	( )	Titanium (Ti)	( )	Turnaround time:
Vanadium	(V)	( )			
2 DCDA/II					1 day ( ) 2 days ( )
3. RCRA/Hazardo	evada espertar agazão	1 3	Co-resignity	A A STATE OF THE S	3 days ( )
Ignitability (Flash I		( )	Corrosivity TCLP	( ) (d)	5 days ( )
Reactivity (CN & S RCRA Metals	")	( ) 68-45	Organics-Pest/Herb	*(****)	Note: sormed furnaries of time is tes (10) working
Organics-BNA		(XX)	Organics-Pest/Hero	( ) ( )	days; additional charges apply for rash
TOX		( ) (K <sub>A</sub> ()	Organica- v OA	Contraction of the contraction	cays; attentions calerges apply for tests orders
4.6. '6.0'		7			Someth two breads
4. Specific Organic	xs	, .	Comi Volisilos (DNA)	( x	Sample type legend:
Volatiles		( )	Semi-Volitiles (BNA) PCB's Only		grab samples x
Pesticides/PCB's Herbicides		( )	TPH/Diesel (TPH/D)	( )	composite samples xx
BTEX			TPH/Diesei (TPH/D)	( )	composed samples and
TTO & Dioxin		( )	OTHER (Specify)	na i See en en en	
5. Microbiology				(ang garagasan)	
Fecal Coliform		( )	Total Coliform	( )	
Comments:					BECKTON ENVIRONMENTAL LABORATORIES
Comments.					192 Villa Street ♦ Ponce, PR 00731
					Tol.: 900 941 7373 ▲ Fov.: 900 941-7313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- 4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: A number given to the project, optional.

Company: The name of the Company. If there company is the company is

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are

collected.

Sampler: Each sampler is identified.

BEL ID Number:

Laboratory Identification Number unique for each sample and assigned by Beckton.

Control No.:

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

A six digit number indicating day of collection, month and the year.

Time: A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed.

Sample matrix: Check appropriate space for the following sample matrix: water, solid, air, sludge, soil,

Sample type: solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving

will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4) The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

PROJECT NO.	(	OMPANY		1	SAMPLER (	R. H.
	1		<del>* 6 - July 1</del>	DV3	TIME	430 CONTR
SAMPLE LOCATI	ON/CLIENT ID	)	JANK.,	& Purc	BEL.	11 11 -
SAMPLE DATE			7. 31-7	<i>(</i>		
1. General Enviro	nmental:				Relinquished by:	1. M. 1 V.
Acidity	( )		Alkalinity	( )	Remider	4/12
Ammonia as N	( )		Bicarbonate	( )		777a, 1 11:0
BOD-5	( )		Bromide	( )		<u> 15116</u>
Chloride COD	( )		Chlorine, Res. Color (ADMI)	( )	Date/Time:_	
Conductivity	7 7		Color (Pt-Co)	( )	Received by	
Dissolved Oxygen	( )		Cyanide	( )	Rev	
Hardness	( )		Fluoride	( )		
Moisture %	( )		<b>Iodine</b>	( )	Date/Time:	2.3/.60/
Nitrite	( )		Nitrate	( )	Date/III	
Oil+Grease Phenol	( )		Nitrate + Nitrite		Relinquish	r.
Phosphorus, Total	( )		pH Phosphate, Ortho	( )	Ken.	
Sett. Solids mg/L	( )		Sett. Solids mL/L			
Sulfate	ì /		Solids, Total	`	erin	
Sulfite	( )		Sulfide	( )	Date/Tim	
TDS	( )		Surfactant	( )	Received	
Temperature TOC	( )		TSS TKN	( )	<b>R</b>	
Asbestos in air	( ) ( )		Turbidity	( )		
					n	
2. Metals					Date∏	
Aluminum 	(Al)	( )	Cadmium (Cd)	( )		
Chromium	(Cr)	( )	Copper (Cu)	( )	Matr	o <b>x</b>
Iron Manganese	(Fe) (Mn)	( )	Lead (Pb) Mercury (Hg)			
Nickel	(Ni)	( )	Mercury (Hg) Selenium (Se)	} }		e ( )
Silver	(Ag)	( )	Tin (Sn)			( )
Zinc	(Zn)	( )	Arsenic (As)	( )		( )
Barium	(Ba)	( )	Boron (B)	( )	And the second s	( )
Antimony	(Sb)	( )	Beryllium (Be)	( )		( ) Specify:
Bismuth Chromium, VI	(Bi) (CrVI)	( )	Calcium (Ca) Cobalt (Co)	( )		( ) opes,
Magnesium	(Mg)	( )	Cobalt (Co) Molybdenum (Mo)	( )		
Potassium	(K)	( )	Silicon (Si)	$(\cdot)$		Turt
Sodium	(Na)	( )	Strontium (Sr)	( )		
Thallium	(Tl)	( )	Titanium (Ti)	( )		( )
Vanadium	( <b>V</b> )	( )			energy of the second se	
3. RCRA/Hazardo	us wastes			The second second second second		( )
Ignitability (Flash		(xx	Corrosivity	( v )		NOmeraund time is ten (10) working
Reactivity (CN &		( )	TCLP	$\mathcal{Q}$		tional charges apply for rush
RCRA Metals		( , ),	Organics-Pest/Herb	(x3)		
Organics-BNA TOX		(34,4)	Organics-VOA	(42)		Sad:
44.0		( )				
4. Specific Organi	cs			All the second s		mples X
Volatiles		( )	Semi-Volitiles (BNA)	( )		site samples xx
Pesticides/PCB's Herbicides		( )	PCB's Only TPH/Diesel (TPH/D)	( )		
BTEX		( )	TTO	3		
TTO & Dioxin		( )	OTHER (Specify)	( )		
5. Microbiology						
Fecal Coliform		( )	Total Coliform	( )		IRONMENTAL LAI
						Ponce, PR 00731
Comments:						3 ◆ Fax.: 809-841-7
				Clier	GF CAR	IBE001805

# PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM [Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

# <u>uci dipeliantian</u>

This precedure is necessary to lastic the validity of the data. Due to the evidentiary nature of samples collected during to extendentiary nature of samples collected during to extendentiary. Jam procedure is becausely to assure the validity of the data. Due to the evidentiary nature of samples collected during a enforcement of samples are collected until they are introduced as evidence in logs i proceedings.

(NEIC)

According to the USEPA Office of Enforcement and Compliance Maniforing National Enforcement Investigation Carteer (NEIC)

1. It is in your possession, or According to the Course of the Procedures, May 1978 and revised on May 1986, a sample is under costody if

it was in your dossession and you locked it up, or

for filling chain-of-poted, being

Possession must be form the time the samples are collected until they are finally dispossed. for filling chain-structure.

Chain of custody shall be copleted using black twiterproof ink. The information recorded should include:

impler: El 10 Noodker

utroi No.:

uple matrix:

inle type:

listenta:

(3)

an:

Fair: quistrd and recei A sumber given to the project, optional

The name of the Company If there companies with the same name. Specific of the city collected were samples are obtained of about the same name. (place). Side were samples are obtained or specific project for which are separated project for the separated project fo Each sample, is identified.

Laboratory Identification Number unique for each sample and assigned by Becking for the surrounding and assign A number assigned by Beckton for the purpose of sample tracking sarred is a conscient.

A six diametric will utilize this number for determining the purpose of sample tracking sarred is a conscient. Customers will utilize this number for describing storus of samples A six digit number indicating day of collection, much and the year.

A four digit number indicating day of collection, month and the year.

Check annual PM should be stated in constantly time trust be gares gares. employed. AM and PM abould be stated in case normal here is employed.

Check appropriate space for the following sample matrix: water, sold; mixed wask, or other, in the event other is subject to water, sold; mixed wask, or other, in the event other is subject to sold; mixed wask, or other, in the event other is subject to sold; mixed wask, or other, in the event other is subject to subj

solid imixed waste, or other to the following sample matrix: water, sold; arr; wlassific for the contemporary of the contempor Write cither an 'x' or other, in the event other is selected specifying sample: Fract, and Types, XX, composite, X, grab. lypes: xx. composite; x. grah.

Sampler should specify field observations or abnormal conditions for example: 

If p blanks, field blanks or duplicates samples were taken

Each parameter to be analyzed aboute he marked with an "X" or "XX"

When transferring the presentation of samples the min aduate reinquisting send note the time. This record documents satisfy will sign, dails, and note the time. This record doronsents satisfied street personal fegible. If not legible, print name above signature legible. If not legible, print name above signature

Thipler is personally responsible for the cure and custody of samples affected as the people paid handle samples. When in site measurement are made, the date 711 paid handle samples. When it sale measurement are under the date of recorded directly from ckedy. For example, 1914, temperature, described oxygen, residual chickets and flow measure reserved affects y 12.00. Directe when completing any of these forms, the error must be crossed on with a single Is the 12)

tionmental Laboratories follows SOP's for sampling, preservation and landing of samples,

pe of althost importance if test values are representative of the spacer sagate. Correct and

I found to be foxic (as per appropriate RCRA regulation) it will be returned to the clicates of a g preservatives must be always employed. ď#h

40°C for all samples, HNO, for trace metals, hardness and radiometrity, Nacial for random enolics, attimomia mirrogen, TKN, pul & grease, and phosphomy 7s Acres for other e meserved as per appropriate SOP.

U.S. Envircetion Agency. NPDES Compliance Evaluation Inspection (MCD-75) Namel. Enforcement. Commission 5. Compliance Evaluation Inspection (MCD-75) Namel. Enforcement. Dec. Enforcement. Division & Enforcement, Compliance Evaluation Inspection (MCD-75) Mariet, Compliance Brac.h. Enforcement Division (EN-378), Washington, D.C. Enforcement Florids Divironmental Protection, Comprehensive OA/QC, 1992

July 18, 1996

#### CONFIDENTIAL

TO: O Mr. Luis Yordan, GE Juana Diaz

FROM: Luisette Berastain, Service Manager, Beckton Environmental Laboratories

RE: Price schedule General Electric - Juana Diaz

#### RCRA ANALYSIS

#### HAZARDOUS WASTE-RCRA

The Environmental Protection Agency (EPA) has determined that a waste should be considered hazardous if exhibits one of the following characteristics: Ignigtability, Corrosivity, Reactivity, and TCLP Toxicity.

Beckton Environmental Laboratories, Inc. is furnished with the necessary equipment to conduct the TCLP test, (Zero Headspace Extractors, Purge-and-trap GC/MS and GC/PID/Hall, GC/ECD, AA with graphite furnace and vapor generator accessories).

RCRA Characterization: TCLP Toxicity Test & RCI

Full RCRA .....\$ 650.00/sample

TCLP - Metals (solid or oily matrix)...\$ 225.00/sample TCLP - Metals (liquid matrix).....\$ 175.00/sample

TCLP-Benzene (solid or oily matrix)...\$ 175.00/sample TCLP-Benzene (liquid matrix).....\$ 125.00/sample

TOX (liquid, oily or solid matrix).....\$ 100.00/sample

Sampling for hazardous waste with full trained personnel is available at \$35.00/sample during regular working hours, Monday to Friday 8:00 AM to 5:00 PM, after regular working hours the rate will be 1.5 the regular rate. Price include protective gear, sampling equipment, sample containers, preservatives, chain-of custody form, etc. There is no charge for mobilization of equipment.

For five or more samples, there will be no sampling charge.

192 VILLA STREET PONCE, P.R. 00731

TEL: (787) 841-7373 FAX (787) 841-7313



#### BECKTON ENVIRONMENTAL

LABORATORIES, INC.

Mr. Yordan Page -2-

Prices for normal (15 working days); for 5 days turnaround multiply base price times 1.50;3 days turnaround multiply base price times 2.5

#### Deliverables

Additional charges may be necessary for customized reports which differ significantly from Beckton format. Additional charges will apply for specific report format such as data package or data on diskettes. A duplicate and a matrix spike will be performed per batch of samples at no additional cost. Laboratory and field blanks are analyzed as part of the regular laboratory quality assurance program. Additional quality control samples analyzed at the request of the client will be charged as regular samples.

Custom report format ...... \$ 10.00/page

QA lab blank, precision, accuracy ..... 10 % surcharge

Quality assurance data requested after report . 20 % surcharge

Payment terms for clients with approved credit are net twenty (20) days after which time a 2% per month late charge is added to unpaid balances.

#### Confidentiality

Strict confidentiality is maintained in all our dealings with clients. Confidentiality agreements, therefore, are signed willingly. In any instances were information is subpoenaed by and must be released to a regulatory legal body, the client is promptly notified. Likewise, the client agrees to respect all such relationship of trust. Client agrees it will not use Beckton Environmental Laboratories' name and/or data in any manner which might cause harm to the company's reputation and/or business

NOTE: Samples that have been determined to be hazardous will be returned to the client for proper disposal

CONFIDENTIAL



Att.: Mrs. Nancy Texeira

General Electric- Juana Díaz

Date: December 26, 1995

Lab Name: Beckton Environmental Laboratories

Contract: General Electric

Lab. sample ID: BEL-15926 Date: 12/08/95

Description: Drums 012-013-014-015

Lab. sample ID: BEL-15927 Date: 12/08/95

Description: Drums 016-017-018-019

Lab. file ID: BEL15926

Sampled by: L. Rivera

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-15926	BEL-15927
Chromium	6010 (ICAP)	Composite	mg/L	3.93	2.86

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo. Rafael Infante Laboratory Director

Chemist License 1888

Rafael Infante Méndez



Att.: Mrs. Nancy Texeira

Date: December 26, 1995

General Electric- Juana Díaz

Lab Name: Beckton Environmental Laboratories

Contract: General Electric

Lab. sample ID: BEL-15928 Date: 12/08/95

Description: Drums 001

Lab. sample ID: BEL-15929 Date: 12/08/95

Description: Drums 003

Lab. file ID: BEL15928

Sampled by: L. Rivera

SAMPLE PARAMETER EPA METHOD TYPE UNITS BEL-15928 BEL-15929 17.7 Chromium 6010 (ICAP) Composite mg/L 44.4

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo Rafael Infante Laboratory Director

Chemist License 1888

Rafael Infante Méndez LIC.#1888



Att.: Mrs. Nancy Texeira

Date: December 26, 1995

General Electric- Juana Díaz

Lab Name: Beckton Environmental Laboratories

Contract: General Electric

Lab. sample ID:

BEL-15926 Date: 12/08/95

Description: Drums 012-013-014-015

Lab. sample ID:

BEL-15927 Date: 12/08/95

Description: Drums 016-017-018-019

Lab. sample ID:

BEL-15928 Date: 12/08/95

Description: Drums 001

Description: Drums 003

Lab. sample ID:

BEL-15929 Date: 12/08/95

Lab. file ID: BEL15926

Sampled by: L. Rivera

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-15926	BEL-15927
Chromium	6010 (ICAP)	Composite	mg/L	3.93	2.86

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-15928	BEL-15929
Chromium	6010 (ICAP)	Composite	mg/L	44.4	17.7

Certification and release of the data contained in the Report of Analysis has been authorized by aboratory Manager or the Manager's Designee.

Rafael Infante

Méndez IC.#1888

Lcdo. Rafael

Laboratory Director

Chemist License 1888



Att.: Mrs. Nancy Texeira

General Electric- Juana Díaz

SW-846 1010

Date: December 18, 1995

>140

>140

Lab Name: Beckton Environmental Laboratories

Contract: General Electric

Date: 12/08/95 Description: Drums 1 Lab. sample ID: BEL-15930 Date: 12/08/95 Description: Drums 2 Lab. sample ID: BEL-15931 Date: 12/08/95 BEL-15932 Description: Drums 3 Lab. sample ID:

Description: Drums 4 Date: 12/08/95 Lab. sample ID: BEL-15933

Sampled by: L. Rivera Lab. file ID: BEL15930

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-15930	BEL-15931
Flash Point	SW-846 1010	Grab	ΩF	>140	>140
PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-15932	BEL-15933

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

QΓ

Grab

Rafael Infante Méndez

₹.ic. #1888

COCIADO

Lcdo. Rafael Infan Laboratory Director

Flash Point

- **A** 3900

Chemist License 1888



#### BECKTON ENVIRONMENTAL

#### LABORATORIES, INC.

December 26, 1995

#### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Aulet Electrico

G.E., Fab. (Juana Díaz)

Att.: Mrs. Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: L. Rivera

Matrix: Solid

Lab. sample ID: BEL-15934

Sample wt/vol: 50.0 g

Lab. File ID: 15934TCL

Column: (pack/cap)

capillary

Date Received: 12/08/95 Date Extracted: 12/11/95

Date Analyzed: 12/22/95

# MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER			DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	METALS (SW-846 6010's)			
D008	Lead	0.022	0.002	5.0

N.D.- not detected

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Labouratory Director Chemist License No.

Lcdo. Rafael Infante

192 VILLA STREET PONCE, P.R. 00731

ENCIADO

Refact Infante √Méndez L.C.#1888

CO LICENY

A 39008



October 13, 1995

#### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Tool Room Scrap

G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Soil

Lab. sample ID:

BEL-14507

Sample wt/vol: 50.0

(g/mL)

Lab. File ID: 14507TCL

Column: (pack/cap)

capillary

Date Received: 09/25/95

Date Extracted: 09/26/95

Date Analyzed: 10/04/95

### MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	METALS (SW-846 7000's)			
D004	Arsenic	N.D.	0.005	5.0
D005	Barium	1.47	0.30	100.0
D006	Cadmium	0.044	0.01	1.0
D007	Chromium	N.D.	0.05	5.0
D008	Lead	N.D.	0.10	5.0
D009	Mercury	N.D.	0.0005	0.2
D010	Selenium	N.D.	0.005	1.0
DO11	Silver	N.D.	0.020	5.0

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Eulalia Medina Pérez LIC. # 3901 Lcda. Eulalia Medina Shemist

Chemist License 3901



October 13, 1995

#### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Drum # 1

G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Mixed

Lab. sample ID:

BEL-14508

Sample wt/vol: \_\_\_25.0 ( g/mL) g

Lab. File ID: 14508TCL

Column: (pack/cap)

capillary

Date Received: 09/25/95

Date Extracted: 09/26/95

10/10/95 Date Analyzed:

#### MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER

CONTAMINANT

RESULTS (mg/L)

DETECTION

REGULATORY

LIMIT (mg/L)

LEVEL (mg/L)

VOLATILE ORGANICS (SW-846 8010; 8015; 8021)

D018

Benzene

N.D.

.040

0.5

N.D.-not detected

Certification and release of the data contained in this Report of Analysis has been authorized by the Laborate Compager or the Manager's Designee.

> Medina Pérez LIC. # 3901

Eulalia

Lcda. Eulalia Medina

Chemist

Chemist License 3901



### BECKTON ENVIRONMENTAL

### LABORATORIES, INC.

Analysis Report Page -2-

SAMPLE IDENTIFICATION: BEL-12464 - BEL-12476

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-12470	BEL-12471	BEL-12472
		Composite	mg/L	2.76*	14.3	19.0
*- Units mg/	/kg	men spira baser entire active tagger stream model stream transfer				
PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-12473	BEL-12474	BEL-12475
Chromium	218.1	Composite	mg/L	79.0*	15.9*	15.4
*- Units mg/	⁄kg	THE LINE SHARE SAME BOOK THE BOOK THEN BOOK BOOK BOOK				
PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-12476		
Chromium	218.1	Composite	mg/L	73.8		

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

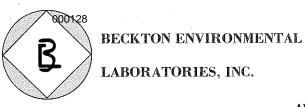
Eulalia Medina Pérez

Loda. Eulalia Medin

Chemist

Chemist License 3901

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Att.: Nancy Texeira

General Electric- Juana Díaz

Date: May 30, 1995

Lab Name: Beckton Environmental Laboratories

Contract: General Electric

Lab.	sample	ID:	BEL-12464	Date:	05/11/95	Description:	Drum #1
Lab.	sample	ID:	BEL-12465	Date:	05/11/95	Description:	Drum #2
Lab.	sample	ID:	BEL-12466	Date:	05/11/95	Description:	Drum #3
Lab.	sample	ID:	BEL-12467	Date:	05/11/95	Description:	Drum #4
Lab.	sample	ID:	BEL-12468	Date:	05/11/95	Description:	Drum #5
Lab.	sample	ID:	BEL-12469	Date:	05/11/95	Description:	Drum #6
Lab.	sample	ID:	BEL-12470	Date:	05/11/95	Description:	Drum #7
Lab.	sample	ID:	BEL-12471	Date:	05/11/95	Description:	Drum #8
Lab.	sample	ID:	BEL-12472	Date:	05/11/95	Description:	Drum #5
Lab.	sample	ID:	BEL-12473	Date:	05/11/95	Description:	Drum #6
Lab.	sample	ID:	BEL-12474	Date:	05/11/95	Description:	Drum #7
Lab.	sample	ID:	BEL-12475	Date:	05/11/95	Description:	Drum #8
Lab.	sample	ID:	BEL-12476	Date:	05/11/95	Description:	Drum #8

Lab. file ID: BEL12464

Sampled by: A. Vera

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-12464	BEL-12465	BEL-12466
Chromium	218.1	Composite	mg/L	10.4	80.9	11.5
	uning alle sam sent top sing sing top sing sing sing sing sing sing sing sing	uan gara kera kera pada dini dini dini dini dini nase				
PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-12467	BEL-12468	BEL-12469
Chromium	218.1	Composite	mg/L	27.5	79.4*	11.2

<sup>\*-</sup> Units mg/kg

# BECKTON ENVIRONMENTAL LABORATORIES, INC.

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REVISION 1994

PROJECT O	Tuena.	<b>`</b> .		SAMPI	JER A.V.	era
SAMPLE LOCATION/ CLIENT ID	Drum #	Drum #	Drum # 3	Drum # 4	Daum # 5	PURCHASE ORDER NUMBER
SÄMPLE DATE	5-11-95	5-11-95	5-11-95	5-11-95	5-11-95	——————————————————————————————————————
TIME	9:15AM	4:20Am	9:25Am	9:30Am	9:35 Am	
BEL NO.	12464	12465	12466	12467	12468	
Acidity Alkalinity Alkalinity Ammonia as N Bicarbonate BOD-5 Bromide Chloride Chloride Chlorine, Res COD Color Conductivity Cyanide Dissolved Ox Fluoride Hardness Iodine Moisture % Nitrate Nitrate Nitrate Nitrate Nitrate Sulfate Sulfate Sulfate Sulfide Sulfite Sulfite Surfactant TDS TSS Temperature TKN TOC Turbidity Asbestos in	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )					Relinquished by:    Ackey   Jeira     5-1/-95     Date   Time:   1/-00 Am     Received by:   Mate   Time:   1/-00 Am     Received by:   Mate   Time:   5-1/-95     Date   Time:   2:10 P.M.     Received by:   Matrix:   water   sludge   soil     oil   other   1     Turnaround:   24-48 hrs.   1     week   1     weeks   1     weeks   1     weeks   1     Wannesite= XX   Y     Composite= XX   Y
Comments:			,	<b>^</b>		Composite= XX( )
M	o ee w			P.H Wi	Tom O.	

BEL NO.						
METALS						
Aluminum Cadmium Chromium Chromium Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc Arsenic Barium Boron Antimony Beryllium Bismuth Calcium Chromium, hex Cobalt Magnesium Molybdenum Potassium	(A1) (Cd) (Cr) (Cu) (Fe) (Pb) (Mn) (Hg) (Ni) (Se) (Ag) (Sn) (Zn) (As) (Ba) (Ba) (Bi) (Ca) (CrVI) (Co) (Mg) (Mo) (K) (Si)	( × ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		( ) ( * ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
Sodium Strontium Thallium Titanium Vanadium	(Na) (Sr) (T1) (Ti) (V)	)	( )	( ) ( ) ( ) ( )	( )	( ) ( ) ( )
RCRA HAZARDOUS W Ignitability(Fla Corrosivity Reactivity (CN & TCLP Metals Organics-Pest Organics-BNA Organics-VOA Benzene	sh Pt.)( (S) (	) ) )				
Volatiles Semi-Volatiles ( Pesticides/PCB PCB Only Herbicides	BNA) (	)	( ) ( ) ( )	( )	( ) ( ) ( ) ( ) ( )	( ) ( ) ( )
TPH/Diesel (TPH/BTEX TTO TTO & Dioxin OTHER (Define)	D) ( ( (	) ) )	( ) ( ) ( ) ( )	( )	( )	( ) ( ) ( ) ( )
MICROBIOLOGY Fecal Coliform Total Coliform	(	}	( )	( )	( )	( )

# BECKTON ENVIRONMENTAL LABORATORIES, INC.

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REVISION 1994

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PROJECT CO	OMPANY &	4.E.		ВАМРІ	LER A. V	
	Juana?	Ding			~ · v	era
SAMPLE LOCATION/ CLIENT ID	Drum #	Drum #	Drum # 8	Dum # 9	Drum # 10	PURCHASE ORDER NUMBER
SAMPLE DATE		1	5-11-95		<i>t</i> 1	
TIME	9:40Am	9:45Am	9:50 Am	9:35 Am	10:00 Au	
BEL NO.	12469	19420	12471	19479	12473	
Acidity Alkalinity Ammonia as N Bicarbonate BOD-5 Bromide Chloride Chloride Chlorine, Res COD Color Conductivity Cyanide Dissolved Ox Fluoride Hardness Iodine Moisture % Nitrate Nitrate Nitrite Nitrate+Nitr Oil+Grease pH Phenol Phosphate, Or Phosphorus, T Sett. Solids Solids, Total Sulfate Sulfide Sulfite Sulfide Sulfite Surfactant TDS TSS Temperature TKN TOC Turbidity Asbestos in	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )					Relinquished by:    Carry   Selicia     S-1/- 95     Date   Time:   1/: 0 o Am.     Received by:     S-1/- 95     Date   Time:   S-1/- 95
Comments:	ua we		: P.W. W	- <del>1</del>	•	composition and
1-0 -		-series A	~ 1.~. ~	- ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		

BEL NO.					
METALS					
Aluminum Cadmium Chromium Chromium Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc Arsenic Barium Boron Antimony Beryllium Bismuth Calcium Chromium, hex Cobalt Magnesium Molybdenum Potassium Silicon Sodium Strontium Thallium Titanium	A1) ( ) Cd) ( ) Cr) ( ) Cu) ( ) Fe) ( ) Pb) ( ) Mn) ( ) Hg) ( ) Ni) ( ) Se) ( ) Ag) ( ) Sn) ( ) Zn) ( ) A8) ( ) Ba) ( ) Ca) ( ) CrVI) ( ) Co) ( ) Mg) ( ) Mo) ( ) K) ( ) Si) ( ) Sr) ( ) Ti) ( ) V) ( )				
RCRA HAZARDOUS WA		,	,	, ,	, ,
Ignitability(Flas Corrosivity Reactivity (CN & TCLP Metals Organics-Pest/ Organics-BNA Organics-VOA Benzene	S) ( )				( ) ( ) ( ) ( ) ( ) ( )
SPECIFIC ORGANICS	ī		•		
Volatiles Semi-Volatiles (E Pesticides/PCB PCB Only Herbicides TPH/Diesel (TPH/D BTEX TTO TTO & Dioxin OTHER (Define)				( ) ( ) ( ) ( ) ( ) ( )	( ) ( ) ( ) ( ) ( ) ( )
MICROBIOLOGY Fecal Coliform Total Coliform	( )	( )	( )	( )	( )

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REVISION 1994

PROJECT CO	HPANY (	4.8. Dia	3	ІЧМАВ	LER A-V	
SAMPLE LOCATION/ CLIENT ID	Dum # 11	Drum # 12	Drum # 13			PURCHASE ORDER NUMBER
SAMPLE Date	5-11-95	5-11-95	5-11-95			
TIME	10:05Am	10:10Am	10:15Am	!		
BET NO.	12474	12475	12476			
Acidity Alkalinity Alkalinity Ammonia as N Bicarbonate BOD-5 Bromide Chloride Chloride Chlorine, Res. COD Color Conductivity Cyanide Dissolved Oxy Fluoride Hardness Iodine Moisture % Nitrate Nitrate Nitrate Nitrate Phenol Phosphate, Ort Phosphorus, To Sett. Solids m Solids, Total Sulfate Sulfide Sulfide Sulfite Surfactant TDS TSS Temperature TKN TOC Turbidity Asbestos in second	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) te ( ) ( ) tho ( ) tho ( ) tho ( ) tho ( ) ( ) ( ) ( ) ( ) ( ) ( )					Relinquished by:    Congress   Composite   XX      Received by:   Congress   Composite   XX      Received by:   Congress   Composite   XX      Relinquished by:   Congress   Composite   XX     Composite   XX      Composite   XX     Composite
\_	~ ·	- \0. ( )		PL	1. N. Te	

BEL NO.				·	
METALS					
Cadmium Chromium Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc Arsenic Barium Boron Antimony Beryllium Bismuth Calcium Chromium, hex Cobalt Magnesium Molybdenum Potassium Silicon Sodium Strontium Thallium Titanium Vanadium	(A1) ( ) (Cd) ( ) (Cr) ( X ) (Cu) ( ) (Fe) ( ) (Pb) ( ) (Mn) ( ) (Hg) ( ) (Sn) ( ) (Sn) ( ) (Zn) ( ) (Ba) ( ) (Ba) ( ) (Bb) ( ) (Be) ( ) (Ca) ( ) (CrVI) ( ) (Co) ( ) (Mg) ( ) (Mg) ( ) (Mg) ( ) (Xi) ( )	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )			
RCRA HAZARDOUS W.  Ignitability(Flat Corrosivity Reactivity (CN & TCLP Metals Organics-Pest Organics-BNA Organics-VOA Benzene	sh Pt.)( ) ( ) s) ( )			( ) ( ) ( ) ( ) ( ) ( )	( ) ( ) ( ) ( ) ( ) ( )
SPECIFIC ORGANIC	<u>s</u>				
Volatiles Semi-Volatiles (Pesticides/PCB PCB Only Herbicides TPH/Diesel (TPH/DESE) TTO TTO & Dioxin OTHER (Define)		( ) ( ) ( ) ( ) ( ) ( ) ( )		( ) ( ) ( ) ( ) ( ) ( )	( ) ( ) ( ) ( ) ( ) ( )
MICROBIOLOGY					
fecal Coliform Total Coliform	( )	( )	( )	( )	( )

# ENVIROLABS INC.-

007 040 0477

### INDUSTRIAL AND ENVIRONMENTAL LABORATORIES

November 16, 1994

Caribe General Electric Inc P O Box 1430 Juana Díaz, Puerto Rico 00795

#### ANALYSIS REPORT

### Sample Identification

Sample from Caribe General Electric, Inc. Identified as Evaporator Waste October 10, 1994
Envirolabs No. 69-276

Oil and Grease (mg/L) 215



00/01/73 11·40 F.03

#### ANALYSIS REPORT

### Sample Identification

Sample from Caribe General Electric, Inc. Identified as Evaporator Waste October 10, 1994
Envirolabs No. 69-276

### MAXIMUM CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTICS OF TCLP TOXICITY

<b>EPA HAZARDOUS</b> <b>Waste Number</b>	Contaminant	Results (mg/L)	Detection Limit (mg/L)	Regulatory Level
	Metals SW6000/7	000		
D004	Arsenic	ND	0.10	5.0
D005	Barium	ND	1	100.0
D006	Cadmi um	0.055	0.005	1.0
D007	Chromium	(11)	0.05	5.0
D008	Lead	0.46	0.01	5.0
D009	Mercury	ND	0.001	0.2
D010	Selenium	ND	0.01	1.0
D 011	Silver	0.014	0.001	5.0

ND = NOT DETECTED

3382B1

# CHAIN OF CUSTODY RECORD ENVIROLABS, INC.

Gr	COLLECTION COLLECTION	ersl E	lectr.	RESS C Fran	TEL.				8						REMAR	KS		
SAMPLE		TIME	EN	/IROLABS	SAMPL IDENTI	E FICA	ATION											
	10/10/54	3:50pm		276				4e	4	1	-		COL	p. de	フル	rangs	4.0	
														- ULP b	سهور	الما لم ص	212/100	<u>~</u>
										<u> </u>			•					
1 1 -	UISHED B	Y: D2	ATE	TIME	RECEIV	'ED I	BY:	REL	INQ	UIS	HEL	) B'	Y:	DATE	TIME	RECEIVE	BY:	
CARILLINQ RE1001826	UISHED B	Y: D2	ATE	TIME	RECEIV			REL	•					DATE		RECEIVE		
RELINO	WESHED B		ATE Violyz	TIME	RECEIV	`	ron/LA	B BY:	D	<b>N</b> TE	2	TI	ME ———			TNESSED		

PROJECT NO.		COMPANY	G.E. 3	פאפטוׁ	2	SAR	SAMPLER C-Ruera
SAMPLE LOCATION/	/CLIENT	ID	COMPOSIT			ous -015	TIME 12. CONTROL NO.
SAMPLE DATE			12- 6				BEL. NO. 15926 1358
1. General Environme	ental:				_		·
Acidity	$( \ )$		Alkalinity		(	)	Relinquished by:
Ammonia as N	( )		Bicarbonate		(	)	Your Livera
BOD-5 Chloride	( )		Bromide Chloring Boo		(	)	- young - green
COD	( )		Chlorine, Res.		(	,	Date/Time: 12/08/95 1:00 p. w.
Conductivity	( )		Color (ADMI) Color (Pt-Co)		~	,	Date/Time.
Dissolved Oxygen	( )		Cyanide		(	)	Received by:
Hardness	( )		Fluoride		7	)	
Moisture %	$\widetilde{C}$		Iodine		(	$\mathcal{L}$	
Nitrite	$\tilde{c}$		Nitrate		ì	<i>'</i>	
Oil+Grease	<b>( )</b>		Nitrate + Nitrite		ì	Ś	Date/Time: (2-08-95
Phenol	( )		pН		(	)	and the same of th
Phosphorus, Total	( )		Phosphate, Ortho		(	)	Relinquished by:
Sett. Solids mg/L	( )		Sett. Solids mL/L		(	)	Marian Commission of the Commi
Sulfate	( )		Solids, Total		(	) (	
Sulfite	( )		Sulfide		(	)	17 06-6
TDS	( )		Surfactant		(	)	Date/Time: 12-08-8 7:00 p.
Temperature	( )	•••	TSS		(	)	
TOC	( )		TKN		(	)	Received by:
Asbestos in air	( )		Turbidity		(	)	M. Vidal
2. Metals							- 1./20- 0.00 11/
	(Al)	( )	Cadmium	(Cd)	(	.)	Date/Time: 12/11/45 8:30 AN
Chromium	(Cr)	XX)	Copper	(Cu)	(	)	' /'
Iron	(Fe)	( )	Lead	(Pb)	(	)	M. Adm.
Manganese	(Mn)	( )	Mercury	(Hg)	(	)	Matrix:
Nickel	(Ni)	( )	Selenium	(Se)	(	)	air ( ) water ( 🛩 )
Silver	(Ag)	( )	Tin Arsenic	(Sn)	(	)	sludge ( )
Zinc Barium	(Zn) (Ba)	( )	Boron	(As) (B)	(	)	soil ( )
Antimony	(Sb)	( )	Beryllium	(Be)	(	`	solid ( )
Bismuth	(Bi)		Calcium	(Ca)	ì	)	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	(	Ś	mixed ( )
Magnesium	(Mg)	()	Molybdenum	(Mo)	(	Ś	other ( ) Specify:
Potassium	(K)		Silicon	(Si)	Ò	ý	,
Sodium	(Na)	i i	Strontium	(Sr)	Ì	<b>)</b> .	
Thallium	(Tl)	( )	Titanium	(Ti)	(	)	Turnaround time:
Vanadium	( <b>V</b> )	( )					
							1 day ( )
3. RCRA/Hazardous							2 days ( )
Ignitability (Flash Pt.		( )	Corrosivity		(	)	3 days ( )
Reactivity (CN & S)		( )	TCLP		(	)	5 days ( )
RCRA Metals		( )	Organics-Pest/Herb		(	)	Note: normal turner sund time is ten (10) working
Organics-BNA TOX		( )	Organics-VOA		(	)	days; additional charges apply for rush orders
4. Specific Organics							Sample type legend:
Volatiles		( )	Semi-Volitiles (BNA	)	(	)	
Pesticides/PCB's		( )	PCB's Only		(	)	grab samples x
Herbicides		( )	TPH/Diesel (TPH/D	)	(	)	composite samples xx
BTEX		( )	TTO		(	)	
TTO & Dioxin		( )	OTHER (Specify)		(	)	
5. Microbiology							
Fecal Coliform		( )	Total Coliform		(	)	
Comments:							BECKTON ENVIRONMENTAL LABORATORIES
							192 Villa Street ♦ Ponce, PR 00731

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

it is in your possession, or

2. it is in your view, after being in your possession, or

3. it was in your possession and you locked it up, or

4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: A number given to the project, optional.

Company: The name of the Company. If there companies with the same name, specified the city

(place). Site were samples are obtained or specific project for which samples are

collected.

Sampler: Each sampler is identified.

BEL ID Number:

Laboratory Identification Number unique for each sample and assigned by Beckton.

Control No.:

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

Date: A six digit number indicating day of collection, month and the year.

Time: A four digit number indicating time of collection; military time of collection.

A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed.

Sample matrix: Check appropriate space for the following sample matrix: water; solid; air, sludge, soil,

solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from

the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

(4) The following preservatives must be always employed:
Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;
H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

PROJECT NO.		СОМР		J. E. S.	and	A	'AR	SAMPLER C. Ragon				
SAMPLE LOCATION	V/CLIENT I	D.		COMPOS!		PR 0 (8	ums - 019	TIME (2-20 CONTROL NO.				
SAMPLE DATE					<u> 28 -</u>	ج	,	BEL. NO. 15937 1359				
1. General Environn	nental:											
Acidity	( )			Alkalinity		(	)	Relinquished by:				
Ammonia as N	( )			Bicarbonate		(	)	Havey Likeira				
BOD-5	( )			Bromide		(	)	yancy Jacob				
Chloride	( )			Chlorine, Res.		(	)	Date/Time: 12/08/95 1:00 P.H				
COD	( )			Color (ADMI)		(	)	Date/Time: 1408/73 1.00 p.74				
Conductivity	( )			Color (Pt-Co)		(	)	Pariting I have				
Dissolved Oxygen	( )			Cyanide		(	)	Received by:				
Hardness	( )			Fluoride		(	)					
Moisture %	( )			Iodine		(	)					
Nitrite	( )			Nitrate		(	)	Date/Time: 12-08-75 - 1:00 Rn				
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time: 12-08				
Phenol	( )			pH		(	)	Relinquished by:				
Phosphorus, Total	( )			Phosphate, Ortho Sett. Solids mL/L		(	)	Refindustred by				
Sett. Solids mg/L Sulfate	( )					(	)					
Sulfite	( )			Solids, Țotal Sulfide		(	)	The state of the s				
TDS	( )			Surfactant		7	)	Date/Time: /7 -38-98 2/002				
Temperature	( )			TSS		~	)	Duty Mine.				
TOC	( )	•••		TKN		(	)	Received by:				
Asbestos in air	( )			Turbidity		(	)	M. Vidal				
2. Metals								- 1 lular 2 2 111				
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time: 12/11/95 8:30 14				
Chromium	(Cr)	(><	<del>(</del> ک	Copper	(Cu)	(	)	,				
Iron	(Fe)	(	)	Lead	(Pb)	(	)					
Manganese	(Mn)	(	)	Mercury	(Hg)	(	)	Matrix:				
Nickel	(Ni)	(	)	Selenium	(Se)	(	)	air ( )				
Silver	(Ag)	(	)	Tin	(Sn)	(	)	water ( )				
Zinc	(Zn)	(	)	Arsenic	(As)	(	)	sludge ( )				
Barium	(Ba)	(	)	Boron	(B)	(	)	soil ( )				
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)	solid ( )				
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)	oil ( )				
Chromium, VI	(CrVI)	(	()	Cobalt	(Co)	(	)	mixed ( ) other ( ) Specify:				
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)	other ( ) Specify:				
Potassium	(K )	(	)	Silicon	(Si)	(	)					
Sodium	(Na)	(	()	Strontium	(Sr)	(	) .	Turnaround time:				
Thallium	(Tl)	(	)	Titanium	(Ti)	(	)	Turnarould time.				
Vanadium	(V)	(	)					1 day ( )				
3. RCRA/Hazardou	c weeter							2 days ( )				
Ignitability (Flash P		(	`	Corrosivity		(	)	3 days ( )				
Reactivity (CN & S	•	(	)	TCLP		$\sim$	, )	5 days ( )				
RCRA Metals	,	(	)	Organics-Pest/Herb	,	$\tilde{c}$	)	Note: normal turnar aund time is ten (10) working				
Organics-BNA		(	)	Organics-VOA		ì	Ś	days; additional charges apply for rash				
TOX		(	)	Organios Vol.		`	,	orders				
4. Specific Organic	s							Sample type legend:				
Volatiles		(	)	Semi-Volitiles (BN	A)	(	)					
Pesticides/PCB's		(	)	PCB's Only	_	(	)	grab samples x				
Herbicides		(	)	TPH/Diesel (TPH/	D)	(	)	composite samples xx				
BTEX		(	)	TTO		(	)					
TTO & Dioxin		(		OTHER (Specify)		. (	)					
5. Microbiology												
Fecal Coliform		(	)	Total Coliform		(	)					
								BECKTON ENVIRONMENTAL LABORATORIES				
Comments:	· · · · · · · · · · · · · · · · · · ·							192 Villa Street ♦ Ponce, PR 00731				
		,						Tel.: 809-841-7373 ♦ Fax.: 809-841-7313				

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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A number given to the project, optional.

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The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are

collected.

Sampler:

Each sampler is identified.

**BEL ID Number:** Control No.:

Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

Date: Time: A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably

Sample matrix:

employed. AM and PM should be stated in case normal time is employed.

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Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

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When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

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Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

PROJECT NO.		COMPANY	G.E. =		عَ حِرن	محز	SAMPLER C. River
SAMPLE LOCATION	N/CLIENT IE	)	DRUM	f	T.	<i>a</i>	72:25 CONTROL NO.
SAMPLE DATE	<del></del>	····	12-0	<u> </u>	95	- : 	BEL. NO. /5928 1360
1. General Environr	nental:				,		Dell'amilia della
Acidity	( , )		Alkalinity		(	)	Relinquished by:
Ammonia as N BOD-5	( )		Bicarbonate		(	)	yany Xileira
Chloride	( )		Bromide Chlorine, Res.		(	)	- Jacob - Jaco
CoD	( )		Color (ADMI)		(	)	Date/Time: 12/08/95 1:00 p.14.
Conductivity	( )		Color (Pt-Co)		(	,	Date/Time:
Dissolved Oxygen	( )		Cyanide		(	,	Received by:
Hardness	( )		Fluoride		(	,	Activities (1)
Moisture %	( )		Iodine		(	,	
Nitrite	( )		Nitrate		(	,	The state of the s
Oil+Grease	( )		Nitrate + Nitrite		(	,	Date/Time: 12-08-8 - 1:00Pa
Phenol	( )		pH.			`	Date   1 mo
Phosphorus, Total	( )		Phosphate, Ortho		~ ~	)	Relinquished by:
Sett. Solids mg/L	( )		Sett. Solids mL/L		(	í	- Lancacana De Company
Sulfate	( )		Solids, Total		. (	í	
Sulfite	( )		Sulfide		è	í	
TDS	( )		Surfactant		ì	í	Date/Time: 17 - 07 - 98 7000
Temperature	· ( )	_	TSS		ì	Ś	
TOC	( )		TKN		ì	í	Received by:
Asbestos in air	( )		Turbidity		Ì	Ś	M. Virlal
2. Metals							Date/Time: 13/11/95 8:30/14
Aluminum	(Al)	( )	Cadmium	(Cd)	(	)	Date/Time: 12/11/95 8:30A19
Chromium	(Cr)	(yeye)	Copper	(Cu)	(	)	
Iron	(Fe)	( )	Lead	(Pb)	(	)	Matrix:
Manganese	(Mn)	( )	Mercury	(Hg)	(	)	matrix:
Nickel	(Ni)	( )	Selenium	(Se)	(	)	water (**)
Silver	(Ag)	( )	Tin	(Sn)	(	)	sludge ( )
Zinc	(Zn)	( )	Arsenic Boron	(As)	(	)	soil ( )
Barium	(Ba) (Sb)	( )	Beryllium	(B) (Be)	(	,	solid ( )
Antimony Bismuth	(Su) (Bi)	( )	Calcium	(Ca)		,	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	(	)	mixed ( )
Magnesium	(Mg)	( )	Molybdenum	(Mo)	(	,	other ( ) Specify:
Potassium	(K)	( )	Silicon	(Si)	ì	Ý	
Sodium	(Na)	( )	Strontium	(Sr)	ì	<b>)</b> .	
Thallium	(TI)	(	Titanium	(Ti)	ì	)	Turnaround time:
Vanadium	(V)	( )		` ,	,	,	
	` '	` ,					1 day ( )
3. RCRA/Hazardou	us wastes						2 days ( )
Ignitability (Flash F	Pt.)	( )	Corrosivity		(	)	3 days ( )
Reactivity (CN & S	3)	( )	TCLP		(	)	5 days ( )
RCRA Metals		( )	Organics-Pest/Herb		(	)	Note: normal turner sund time is ten (10) working
Organics-BNA		( )	Organics-VOA		(	)	days; additional charges apply for rush
TOX		( )					or ders
4. Specific Organic	es .	( )	Comi Validia /DNA	`	,	`	Sample type legend:
Volatiles		( )	Semi-Volitiles (BNA	.)	(	)	grab samples x
Pesticides/PCB's		( )	PCB's Only TPH/Diesel (TPH/D	`	(	)	composite samples xx
Herbicides BTEX		( )	TTO	,	(	)	composite aminipited
TTO & Dioxin		( )	OTHER (Specify)		_ (	)	
5. Microbiology Fecal Coliform		( )	Total Coliform		(	)	
Comments:							BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street • Ponce, PR 00731
							192 VIIIa Street & Ponce, PK 00731

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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Time:

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A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed.

Sample matrix:

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solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type:

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types: xx- composite; x- grab.

Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

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Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

PROJECT NO.		COMPANY	G.E. 5	المال	Δ.	SAG	SAMPLER C- Rivera
SAMPLE LOCATIO	n/CLIENT II	D	DRU	U TA		003	TIME /2336 CONTROL NO.
SAMPLE DATE			12-	<u> ३६</u>	٠ ج	3	BEL. NO. 15929 1411
1. General Environi	mental:						
Acidity	( )		Alkalinity		(	)	Relinquished by:
Ammonia as N	( )		Bicarbonate		Ì	)	
BOD-5	( )		Bromide		į.	)	Janes Seller
Chloride	( )		Chlorine, Res.		Ì	)	to to low up a suit
COD	( )		Color (ADMI)		ì	)	Date/Time: 12/08/95 1:00p.W
Conductivity	( )		Color (Pt-Co)		ì	)	
Dissolved Oxygen	·( )		Cyanide		ì	<i>•</i>	Received by:
Hardness	( )		Fluoride		ì	Ś	
Moisture %	<i>(</i> )		<b>Iodine</b>		ì	Ś	
Nitrite	7 1		Nitrate		(	, )	
Oil+Grease	( )		Nitrate + Nitrite		7	<u> </u>	Date/Time: 2-08-85-1.201
Phenol	( )		pH		(	)	
Phosphorus, Total	( )		Phosphate, Ortho		(	)	Relinquished by
Sett. Solids mg/L	( )		Sett. Solids mL/L		(	<u> </u>	A Company of the Comp
Sulfate	( )		Solids, Total		(	,	Commence and the second second
Sulfite	( )		Sulfide		(	,	
TDS	( )		Surfactant		(	`	Date/Time: 17/18-96 7500 R
Temperature	( )		TSS		(	)	Date; Timo.
TOC	( )	•	TKN		(	)	Received by:
Asbestos in air	. ( )		Turbidity		(	)	M. Widal
2. Metals							Date/Time: 12/11/95 18:30 A
Aluminum	(Al)	( )	Cadmium	(Cd)	(	)	Date/Time: 13/11/93 18:30 N
Chromium	(Cr)	(Ke)	Copper	(Cu)	(	)	• /
Iron	(Fe)	( )	Lead	(Pb)	(	)	
Manganese	(Mn)	( )	Mercury	(Hg)	(	)	Matrix:
Nickel	(Ni)	( )	Selenium	(Se)	(	)	air ( )
Silver	(Ag)	( )	Tin	(Sn)	(	)	water (🖍)
Zinc	(Zn)	( )	Arsenic	(As)	(	)	sludge ( )
Barium	(Ba)	( )	Boron	(B)	(	)	soil ( )
Antimony	(Sb)	( )	Beryllium	(Be)	(	)	solid ( )
Bismuth	(Bi)	( )	Calcium	(Ca)	(	)	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	(	)	mixed ( )
Magnesium	(Mg)	( )	Molybdenum	(Mo)	(	)	other ( ) Specify:
Potassium	(K)	( )	Silicon	(Si)	(	)	
Sodium	(Na)	( )	Strontium	(Sr)	(	).	
Thallium	(Tl)	( )	Titanium	(Ti)	į.	)	Turnaround time:
Vanadium	(V)	( )		` /	`		
	4,						1 day ( )
3. RCRA/Hazardou	is wastes						2 days ( )
Ignitability (Flash P	rt.)	( )	Corrosivity		(	)	3 days ( )
Reactivity (CN & S		( )	TCLP		į.	)	5 days ( )
RCRA Metals	•	( )	Organics-Pest/Herb		Ì	)	Note: normal turnscraund time is ten (10) working
Organics-BNA		( )	Organics-VOA		ì	)	days; additional charges apply for rush
TOX		( )	•		•	·	orders
4. Specific Organic	s		~ , ·-			,	Sample type legend:
Volatiles		( )	Semi-Volitiles (BNA	<b>1</b> )	(	)	grab samples x
Pesticides/PCB's		( )	PCB's Only	• • • • • • • • • • • • • • • • • • • •	(	)	composite samples XX
Herbicides		( )	TPH/Diesel (TPH/I	<b>)</b> )	(	)	composite samples AA
BTEX TTO & Dioxin		( )	TTO OTHER (Specify)		(	)	
		( )	OTTIER (Specify)		,	,	
5. Microbiology			m		_	,	
Fecal Coliform		( )	Total Coliform		(	)	
Comments:							BECKTON ENVIRONMENTAL LABORATORIES
							192 Villa Street ♦ Ponce, PR 00731
							Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (Nac) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
  - it is in your view, after being in your possession, or
  - 3. it was in your possession and you locked it up, or
  - 4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project	Number

A number given to the project, optional.

Company:

The name of the Company. If there companies with the same name, specified their (place). Site were samples are obtained or specific project for which samples in

collected.

Sampler:

Each sampler is identified.

**BEL ID Number:** 

Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoice

Control No.:

Customers will utilize this number for determining status of samples.

Date: Time: A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be prefer

Sample matrix:

employed. AM and PM should be stated in case normal time is employed. Check appropriate space for the following sample matrix: water; solid; air; sludge, sa

Sample type:

solid, mixed waste, or other. In the event other is selected specify the sample matrix Write either an "x" or "xx" in the corresponding space next to the parameter. Sang

types: xx- composite; x- grab.

Comments:

Sampler should specify field observations or abnormal conditions. For example: If sp

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer fig the sampler, often through another person, to the laboratory. Each signature should

legible. If not legible, print name above signature.

Note:

- (1)The field sampler is personally responsible for the care and custody of samples collected. As few peoples possible should handle samples. When in-site measurement are made, the data are recorded directly in by chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measuremen If errors are made when completing any of these forms, the error must be crossed out with a single line ঝ initialed and dated by the sampler.
- (2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. The procedures are of utmost importance if test values are representative of the source sample. Correct analytid methods are always employed.
- (3)If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for prop disposal.
- (4)The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanide H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus, Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

PROJECT NO.	α	OMPANY	G-E	JUA,	<u>/                                      </u>	DAZ	SAMPLER L. Rivera
SAMPLE LOCATION	N/CLIENT ID		DRU	u 7	牛	1	TIME 12:35 CONTROL NO.
SAMPLE DATE			17-0	> <i>8"</i>	21		BEL. NO. 15930 1418
1. General Environs	mental:						\$ ;
Acidity	( . )		Alkalinity		(	)	Relinquished by:
Ammonia as N	( )		Bicarbonate		(	)	Janes Lakeira
BOD-5	( )		Bromide		(	)	Janey Genera
Chloride	( )		Chlorine, Res.		(	)	10/-10/-
COD	( )		Color (ADMI)		(	)	Date/Time: 12/08/95 1:00p.4.
Conductivity	( )		Color (Pt-Co)		(	)	
Dissolved Oxygen	( )		Cyanide		(	)	Received by
Hardness	( )		Fluoride		Ì.	) _	
Moisture %	( )		Iodine		ì		
Nitrite	( )		Nitrate		ì	,	
Oil+Grease	( )		Nitrate + Nitrite		ì	)	Date/Time: 12-08-95-160
Phenol	( )		pН		ì	j	
Phosphorus, Total	( )		Phosphate, Ortho		ì	j	Relinquished by:
Sett. Solids mg/L	( )		Sett. Solids mL/L		ì	j .	
Sulfate	<i>(</i> )		Solids, Total		Ì		The state of the s
Sulfite	( )		Sulfide		ì	j	1.3
TDS	( )		Surfactant		ì	j	Date/Time: / COF-95 7,000
Temperature	·		TSS		ì	Ś	
TOC	( )		TKN		ì	j	Received by:
Asbestos in air	( )		Turbidity		ì	Ś	
2. Metals			•		,	,	- Midal
Aluminum	/ A IN		O-1	(CA)	,	`	Date/Time: 12/11/95 8:30 AU
Chromium	(Al)	( )	Cadmium	(Cd)	(	)	Date/Time. 18/11/43 8:32/4
	(Cr)	( )	Copper	(Cu)	(	)	<b>,</b>
Iron	(Fe)	( )	Lead	(Pb)	(	)	No.
Manganese	(Mn)	( )	Mercury	(Hg)	(	)	Matrix:
Nickel	(Ni)	( )	Selenium	(Se)	(	)	air ( )
Silver	(Ag)	( )	Tin	(Sn)	(	)	water ( )
Zinc	(Zn)	( )	Arsenic	(As)	(	)	sludge ( ) soil ( )
Barium	(Ba)	( )	Boron	(B)	(	)	` '
Antimony	(Sb)	( )	Beryllium	(Be)	(	)	solid ( )
Bismuth	(Bi)	( )	Calcium	(Ca)	(	)	oil ( )
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	(	)	mixed ( )
Magnesium	(Mg)	( )	Molybdenum	(Mo)	(	()	other ( ) Specify:
Potassium	(K)	( )	Silicon	(Si)	(	)	
Sodium	(Na)	( )	Strontium	(Sr)	(	).	m te
Thallium	(Tl)	( )	Titanium	(Ti)	(	)	Turnaround time:
Vanadium	( <b>V</b> )	( )					1.4 ( )
0 DOD + 41							1 day ( )
3. RCRA/Hazardou							2 days ( )
Ignitability (Flash P			Corrosivity		(	) .	3 days ( )
Reactivity (CN & S	·)	( )	TCLP		(	)	5 days ( )
RCRA Metals		( )	Organics-Pest/Herb		(	)	Note: normal turnar and time is ten (10) working
Organics-BNA TOX		( )	Organics-VOA		(	)	days; additional charges apply for resh orders
4. Specific Organic	e	•					Sample type legend:
Volatiles	3	( )	Semi-Volitiles (BNA	1)	(	1	oumpie type regente.
Pesticides/PCB's		( )	PCB's Only	•)	(	)	grab samples x
Herbicides		( )	TPH/Diesel (TPH/I	))	(	)	composite samples xx
BTEX		• ,	TTO	-)	(	,	comboste panishes we
TTO & Dioxin		( )	OTHER (Specify)		(	)	
5. Microbiology							
Fecal Coliform		( )	Total Coliform		(	)	
Comments:							BECKTON ENVIRONMENTAL LABORATORIES
							192 Villa Street ♦ Ponce, PR 00731
							Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

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1. it is in your possession, or

2. it is in your view, after being in your possession, or

4 it was in your possession and you locked it up, or

4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number:

A number given to the project, optional.

Company:

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are

collected.

Sampler:

Each sampler is identified.

**BEL ID Number:** Control No.:

Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

Date: Time: A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed.

Sample matrix:

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type:

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note:

- (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
- (2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
- (3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
- The following preservatives must be always employed: (4) Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

PROJECT NO.		сомі	PANY	G.E 5	عدمد	7	<u>&gt; ~ ~ </u>	sampler 2. Roure
SAMPLE LOCATION	I/CLIENT	TID		PRU	M =	t t	2	TIME 12. 43 CONTROL NO. 1 4 1 9
SAMPLE DATE				12-	08	- 7	8	BEL. NO. 593/ 1419
General Environm Acidity	nental:			Alkalinity		(	)	Relinquished by:
Ammonia as N	(. )			Bicarbonate		~	)	remidusined by.
BOD-5	~ /			Bromide		$\sim$	, )	Haney Leleva
Chloride	( )			Chlorine, Res.		ì	Ś	C dist
COD	$\dot{i}$			Color (ADMI)		ì	)	Date/Time: 12/08/95 1:00 P. W.
Conductivity	( )			Color (Pt-Co)		ì	)	
Dissolved Oxygen	( )			Cyanide		Ì	)	Received by:
Hardness	( )			Fluoride		Ì	)	
Moisture %	( )			Iodine		(	)	
Nitrite	( )			Nitrate		(	)	
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time: 12-26-77 1:00
Phenol	( )			pН		(	)	
Phosphorus, Total	( )			Phosphate, Ortho		(	)	Relinquished by:
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)	h
Sulfate	( )			Solids, Total		(	)	Of the second second
Sulfite	( )			Sulfide		(	)	Date/Time: /7-08-96 2:00
TDS	( )			Surfactant		(	)	Date/Time:
Temperature TOC	( ).	••••		TSS TKN		(	)	Received by:
Asbestos in air	( )			Turbidity		(	)	M. Vinta
2. Metals								- Jular D. D. MA
Aluminum	(Al)	. (	)	Cadmium	(Cd)	(	)	Date/Time: 12/11/95 8:30 AM
Chromium	(Cr)	(	)	Copper	(Cu)	(	)	
Iron	(Fe)	(	)	Lead	(Pb)	(	)	<b>M</b> 4
Manganese	(Mn)	(	)	Mercury	(Hg)	(	)	Matrix:
Nickel	(Ni)	(	)	Selenium	(Se)	(	)	air ( ) water ( )
Silver	(Ag)	(	)	Tin	(Sn)	(	)	sludge ( )
Zinc Barium	(Zn)	(	)	Arsenic Boron	(As)	(	)	soil ( )
Antimony	(Ba) (Sb)	(	,	Beryllium	(B) (Be)	(	) \	solid ( )
Bismuth	(Bi)	(	) \	Calcium	(Ca)	$\sim$	)	oil ( )
Chromium, VI	(CrVI	` `	<i>,</i>	Cobalt	(Co)	$\sim$	)	mixed ( )
Magnesium	(Mg)	, (	Ý	Molybdenum	( <b>M</b> o)	(	Ś	other ( ) Specify:
Potassium	(K)	· · · · · ·	Ś	Silicon	(Si)	ì	)	, <u></u>
Sodium	(Na)	ì	Ó	Strontium	(Sr)	ì	<b>)</b> .	
Thallium	(IT)	. (	)	Titanium	(Ti)	į.	)	Turnaround time:
Vanadium	(V)	ì	)			•		
								1 day ( )
3. RCRA/Hazardou		i						2 days ( )
Ignitability (Flash P		(	X)	Corrosivity		(	)	3 days ( )
Reactivity (CN & S)	)	• (	)	TCLP	_	(	)	5 days ( )
RCRA Metals		(	)	Organics-Pest/Her	ъ	(	) .	Note: Bormal turnsraund time is ten (10) working
Organics-BNA TOX		(	)	Organics-VOA		(	)	days; additional charges apply for rush orders
4. Specific Organics	S							Sample type legend:
Volatiles		. (	)	Semi-Volitiles (BN	NA)	(	.)	
Pesticides/PCB's		ì	)	PCB's Only	,	į.	)	grab samples x
Herbicides		į	)	TPH/Diesel (TPH	/D)	(	)	composite samples xx
BTEX		(	)	TTO		(	)	
TTO & Dioxin		(	)	OTHER (Specify)		(	)	
5. Microbiology								
Fecal Coliform		(	)	Total Coliform		(	)	
Comments:								BECKTON ENVIRONMENTAL LABORATORIES
								192 Villa Street ♦ Ponce, PR 00731

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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Sampler: Each sampler is identified.

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Control No.: A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

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Time: A four digit number indicating time of collection; military time must be preferably

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Sample matrix: Check appropriate space for the following sample matrix: water; solid; air; sludge, soil,

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Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab. Sampler should specify field observations or abnormal conditions. For example: If spilt,

Comments: trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

PROJECT NO.		сомя	,	SE. S	كىمىد	<b>A</b>	مر ح		SAMPLER L. RNIVE
SAMPLE LOCATION	//CLIENT	ID		PR	ın	7	<u> </u>	3	TIME 12-65 CONTROL NO.
SAMPLE DATE				12-	08-	<u> </u>	_		BEL. NO. 15932 1420
1. General Environn Acidity	nental:			Alkalinity		(	)		Relinquished by:
Ammonia as N	()			Bicarbonate		ì	)		
BOD-5	( )			Bromide		(	)		Yany Lefeira Farre
Chloride	( )			Chlorine, Res.		(	)		to 1/0/-
COD	( )			Color (ADMI)		(	)		Date/Time: 12/88/95 1:00 p.14
Conductivity	( )			Color (Pt-Co)		(	)		
Dissolved Oxygen	( )			Cyanide		(	)		Received by:
Hardness	( )			Fluoride		(	)	_	
Moisture %	( )			Iodine		(	)		
Nitrite	( )			Nitrate		(	)		0 25 60 14
Oil+Grease	( )			Nitrate + Nitrite		(	)		Date/Time: 12-08-95 - 1.604
Phenoi	( )			pН		(	)		·
Phosphorus, Total	( )			Phosphate, Ortho		(	)		Relinquished by:
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)	(	- Comment of the control of the cont
Sulfate	( )			Solids, Total		(	)	į	The same of the sa
Sulfite	( )			Sulfide		(	)		17.50 - 2-50
TDS	( )			Surfactant		(	)		Date/Time: / COV - 7 Cross fla
Temperature	( )	•••		TSS		(	)		
TOC	( )			TKN		(	)		Received by:
Asbestos in air	( )			Turbidity		(	)		M. Vidal
2. Metals									Date/Time: 12/11/95 8:30 M
Aluminum	(Al)	(	) .	Cadmium	(Cd)	(	)		Date/Time: /=////93 8:30
Chromium	(Cr)	(	)	Copper	(Cu)	(	)		
Iron	(Fe)	(	)	Lead	(Pb)	(	)		
Manganese	(Mn)	(	)	Mercury	(Hg)	(	)		Matrix:
Nickel	(Ni)	(	)	Selenium	(Se)	(	)		air ( )
Silver	(Ag)	(	)	Tin	(Sn)	(	)		water ( )
Zinc	(Zn)	(	)	Arsenic	(As)	(	)		sludge ( )
Barium	(Ba)	(	)	Boron	(B)	(	)		soil ( )
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)		solid ( )
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)		oil ( )
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	(	)		mixed ( )
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)		other ( ) Specify:
Potassium	(K)	(	)	Silicon	(Si)	(	)		
Sodium	(Na)	(	)	Strontium	(Sr)	(	) .		man and the same
Thallium	(TI)	(	)	Titanium	(Ti)	(	)		Turnaround time:
Vanadium	(V)	. (	)						1 day ( )
3. RCRA/Hazardou	o montos								2 days ( )
Ignitability (Flash P		( •	<b>.</b> \ '	Corrosivity		(	`		3 days ( )
Reactivity (CN & S	,		×	TCLP		~ `	)		5 days ( )
RCRA Metals	,	(	``	Organics-Pest/Herl	,	$\sim$	)		Note: normal furnar and time is ten (10) working
Organics-BNA		(	,	Organics-VOA	•	$\sim$	<u>``</u>		days; additional charges apply for rush
TOX		(	)	Organies VOII		`	,		or ders
4. Specific Organic	s			a	• • •	,	`		Sample type legend:
Volatiles		(	)	Semi-Volitiles (BN	A)	(	•)		grab samples x
Pesticides/PCB's		(	)	PCB's Only	D)	(	)		grab samples x composite samples xx
Herbicides		(	)	TPH/Diesel (TPH/	וע	(	)		composite sumples an
BTEX		(	)	TTO OTHER (Specify)			)		
TTO & Dioxin		(	)	OTTER (Specify)		(	,		
5. Microbiology				T 4-1 C 25		,	`		
Fecal Coliform		(	)	Total Coliform		(	)		
Comments:									BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street ♦ Ponce, PR 00731
			···········						Tel.: 809-841-7373 • Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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- 3. . . . 4. . . . it was in your possession and you locked it up, or
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Customers will utilize this number for determining status of samples.

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A four digit number indicating time of collection; military time must be preferably

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Sample matrix:

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab.

Sample type: Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

PROJECT NO.		<b>ЖМР</b>	ANY	G.6 -	50B1	مد	RIDI	2	SAMPLER C. L'UL.
SAMPLE LOCATION/O	CLIENT ID	)		DR	n i	$\neq$	4		TIME 77. 5-0 CONTROL NO.
SAMPLE DATE				12 -	08-	<b>ም</b> ን			BEL. NO. /5973 1421
1. General Environme	ntal:								
Acidity (	( . )			Alkalinity		(	)		Relinquished by:
Ammonia as N ( BOD-5	( )			Bicarbonate		(	)		Janes Levers
Chloride (	( )			Bromide		(	)		Janey Lecra
COD (	( )			Color (ADM)		(	)		Date/Time: 12/08/55 1:00 / 1/4.
Conductivity (	( )			Color (ADMI) Color (Pt-Co)		(	)		Date/Time: 1-700/10
Dissolved Oxygen (	( )			Cyanide		(	)		Received by:
Hardness (	( )			Fluoride			,		Received by.
Moisture %	( )			Iodine		(	)		
Nitrite (	( )			Nitrate		(	)		
Oil+Grease	( )			Nitrate + Nitrite		(	)		Date/Time: 17- 08 9- 6'00
Phenol (	( )			pH		(	) )		Duty Alline.
Phosphorus, Total (	( )			Phosphate, Ortho		(	)		Relinquished by:
Sett. Solids mg/L (	( )			Sett. Solids mL/L		(	)		The state of the s
Sulfate (	( )			Solids, Total		(	)	$\mathcal{C}$	
Sulfite	( )			Sulfide		ì	)	-	Common particular de la constanción de la consta
TDS (	Ò			Surfactant		ì	í		Date/Time: /2 38 - 5 24
Temperature (	Ò			TSS		ì	j		
TOC	( )			TKN		(	)		Received by:
Asbestos in air (	( )			Turbidity		(	)		
2. Metals	introduction According								- M. Floral
	(Al)		١.	Cadmium	(Cd)	(	`		Date/Time: 12/11/95 8:30/4
	(Cr)	$\sim$	`	Copper	(Cu)	$\sim$	)		Dute, 11110: 10-14
_ '	(Fe)	ì	)	Lead	(Pb)	ì	)		
`	(Mn)	ì	ý.	Мегсигу	(Hg)	ì	í		Matrix:
-	(Ni)	ì	í	Selenium	(Se)	ì	j ,		air ( )
	(Ag)	ì	í	Tin	(Sn)	ì	)		water ( )
	(Zn)	(	í	Arsenic	(As)	ì	)		sludge ( )
Barium	(Ba)	(	)	Boron	(B)	ì	)		soil ( )
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)		solid ( )
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	) ·		oil ( )
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	(	)		mixed ( )
	(Mg)	(	)	Molybdenum	(Mo)	(	)		other ( ) Specify:
	(K)	(	)	Silicon	(Si)	(	)		
	(Na)	(	)	Strontium	(Sr)	(	)		
	(Tl)	(	)	Titanium	(Ti)	(	)		Turnaround time:
Vanadium (	(V)	(	)						
2 DCD A /TT = -1									1 day ( )
3. RCRA/Hazardous v		7		Compainin		,	`		2 days ( ) 3 days ( )
Ignitability (Flash Pt.) Reactivity (CN & S)		( <b>)4</b>		Corrosivity TCLP		(	)		5 days ( )
RCRA Metals		(	)	Organics-Pest/Her	h	(	)		Note: normal turnscround time is ten (10) working
Organics-BNA		(	)	Organics-Pest/Her	J.	(	) }		14OlC: normal turnaraund time is ten (10) working  days; additional charges apply for rush
TOX		(	)	Organics-VOA		(	,		orders
4. Specific Organics									Sample type legend:
Volatiles		(	)	Semi-Volitiles (BN	(A)	(	.)		
Pesticides/PCB's		(	)	PCB's Only		(	)		grab samples x
Herbicides		į	)	TPH/Diesel (TPH/	(D)	(	)		composite samples xx
BTEX		(	)	TTO		(	)		
TTO & Dioxin		(	)	OTHER (Specify)		(	)		
5. Microbiology				_					
Fecal Coliform		(	)	Total Coliform		(	)		
Comments:	· · · · · · · · · · · · · · · · · · ·								BECKTON ENVIRONMENTAL LABORATORIES
							.,.		192 Villa Street ♦ Ponce, PR 00731

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PROJECT NO. COMPANY	G-E. SKN	- Dicc	SAMPLER C. Ruting			
SAMPLE LOCATION/CLIENT ID	aulet El	10+00	TIME /2.55 CONTROL NO.			
SAMPLE DATE	12.08-		BEL. NO. 15934 1423			
1. General Environmental:			and the second			
Acidity ( )	Alkalinity	( )	Relinquished by:			
Ammonia as N ( )	Bicarbonate	( )				
BOD-5 ( )	Bromide	( )				
Chloride ( ')	Chlorine, Res.	( )	Date/Time:			
COD ( ) Conductivity ( )	Color (ADMI)	( )	Date/Time.			
Dissolved Oxygen ( )	Color (Pt-Co) Cyanide	( )	Received by:			
Hardness ( )	Fluoride	( ) -	Received by			
Moisture %	Iodine					
Nitrite ( )	Nitrate	( )	77.72			
Oil+Grease ( )	Nitrate + Nitrite	( )	Date/Time: //- 08-97 1200			
Phenol ( )	pH	( )				
Phosphorus, Total ( )	Phosphate, Ortho	( )	Relinquished by			
Sett. Solids mg/L ( )	Sett. Solids mL/L	<u>(</u> )				
Sulfate ( )	Solids, Total	(				
Sulfite ( )	Sulfide	( )	17.01.0			
TDS ( )	Surfactant	( )	Date/Time: 12.01-95 2.00			
Temperature ( )	TSS	( )				
TOC ( )	TKN	( )	Received by:			
Asbestos in air	Turbidity	· ( )	M-Vidal			
2. Metals			1.1000 0000			
Aluminum (All property (All) party (All)	Cadmium (Cd)	( )	Date/Time: 12/11/95 8:30 M			
Chromium (Cr) ( ),	Copper (Cu)	( )				
Iron (Fe) ( )	Lead (Pb)	<b>(X</b> )				
Manganese (Mn) ( )	Mercury (Hg)	( )	Matrix:			
Nickel (Ni) ( )	Selenium (Se)	( )	air ( )			
Silver (Ag) ( )	Tin (Sn)	( )	water ( ) sludge ( )			
Zinc (Zn) ( ) Barium (Ba) ( )	Arsenic (As) Boron (B)	( )	soil ( )			
Barium (Ba) ( ) Antimony (Sb) ( )	Beryllium (Be)	( )	solid ( )			
Bismuth (Bi) ( )	Calcium (Ca)	( )	oil ( )			
Chromium, VI (CrVI) ( )	Cobalt (Co)	( )	mixed ( )			
Magnesium (Mg) ()	Molybdenum (Mo)	( )	other ( ) Specify:			
Potassium (K) ()	Silicon (Si)	( )				
Sodium (Na) ()	Strontium (Sr)	( )				
Thallium (Tl) ()	Titanium (Ti)	( )	Turnaround time:			
Vanadium (V) ()						
$  \hat{x}_{ij}   = e^{-\frac{1}{2}} \int_{0}^{\infty} dt dt - E_{ij}^{*}(t) dt + e^{-\frac{1}{2}} \int_{0}^{\infty} dt dt$			1 day ( )			
3. RCRA/Hazardous wastes			2 days ( )			
Ignitability (Flash Pt.) ( )	Corrosivity	( )	3 days ( )			
Reactivity (CN & S) ( )	TCLP	( )	5 days ( )			
RCRA Metals ( )	Organics-Pest/Herb	( )	Note: normal turnar and time is ten (10) working			
Organics-BNA ( ) TOX ( )	Organics-VOA	( )	days; additional charges apply for rush orders			
lox ( )		4	w dig s			
4. Specific Organics			Sample type legend:			
Volatiles ( )	Semi-Volitiles (BNA)	( .) .	1 71 0			
Pesticides/PCB's ( )	PCB's Only	( )	grab samples x			
Herbicides ( )	TPH/Diesel (TPH/D)	( )	composite samples xx			
BTEX ( )	TTO	( )				
TTO & Dioxin ( )	OTHER (Specify)	( )				
5. Microbiology						
Fecal Coliform ( )	Total Coliform	( )				
יות חושה						
Comments: TCLP - Pb			BECKTON ENVIRONMENTAL LABORATORIES			
			192 Villa Street • Ponce, PR 00731			
			Tel.: 809-841-7373 ♦ Fax.: 809-841-7313			

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.



October 13, 1995

### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Drum # 2

G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Mixed

Lab. sample ID:

BEL-14509

Sample wt/vol: 1000/5.0( g/mL) mL

Lab. File ID: 14509TCL

Column: (pack/cap)

capillary

Date Received: 09/25/95

Date Analyzed: 10/10/95

## MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

DETECTION REGULATORY EPA HAZARDOUS WASTE NUMBER CONTAMINANT RESULTS LIMIT LEVEL (mg/L)(mg/L)(mg/L)

VOLATILE ORGANICS (SW-846 8010; 8015; 8021)

D018

Benzene

N.D.

.040

0.5

N.D.-not detected

Certification and release of the data contained in this Report of Analysis has been Table or the Manager's Designee. authorized by the Laboratory

Lcda. Eulalia Medina

Chemist

Chemist License 3901

Eulalia Medina Pérez LIC. # 3901

382017

PROJECT NO.		OMP <i>A</i>	NY	E. Juan	a D	ió.		SAMPLER V-Carto
SAMPLE LOCATION	N/CLIENT II	)		Too/	Poo 4	4	scrq p	TIME 12.'4004 CONTROL NO.
SAMPLE DATE				9	25	95	5	BEL. NO. 14507 673
1. General Environi Acidity Ammonia as N BOD-5 Chloride COD Conductivity Dissolved Oxygen Hardness Moisture % Nitrite Oil + Grease Phenol	nental: ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )			Alkalinity Bicarbonate Bromide Chlorine, Res. Color (ADMI) Color (Pt-Co) Cyanide Fluoride Iodine Nitrate Nitrate + Nitrite pH		( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	) ) ) ) ) ) ) ) ) ) ) )	Relinquished by:  Many Lecra  Date/Time: 9/25/95 1:15p  Date/Time: 9-25-95 1:15p  Date/Time: 9-25-95 1:15p
Phosphorus, Total Sett. Solids mg/L Sulfate Sulfite TDS Temperature TOC Asbestos in air	( ) ( ) ( ) ( )			Phosphate, Ortho Sett. Solids mL/L Solids, Total Sulfide Surfactant TSS TKN Turbidity		( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	) ) ) ) ) )	Pate/Time: 9-25-85 3:39/9  Received by:
2. Metals Aluminum Chromium Iron Manganese Nickel Silver Zinc Barium Antimony Bismuth Chromium, VI Magnesium Potassium Sodium Thallium	(Al) (Cr) (Fe) (Mn) (Ni) (Ag) (Zn) (Ba) (Sb) (Bi) (CrVI) (Mg) (K) (Na) (Tl)			Cadmium Copper Lead Mercury Selenium Tin Arsenic Boron Beryllium Calcium Cobalt Molybdenum Silicon Strontium Titanium	(Cd) (Cu) (Pb) (Hg) (Se) (Sn) (As) (B) (Ca) (Co) (Mo) (Si) (Sr) (Ti)			Date/Time:
Vanadium  3. RCRA/Hazardou Ignitability (Flash F Reactivity (CN & S RCRA Metals Organics-BNA TOX  4. Specific Organic Volatiles Pesticides/PCB's Herbicides BTEX TTO & Dioxin	(V) as wastes tt.)	(	) ) )	Corrosivity TCLP Organics-Pest/Hero Organics-VOA  Semi-Volitiles (BN PCB's Only TPH/Diesel (TPH, TTO OTHER (Specify)	ь ЈА) /D)		) ) ) ) ) ) ) ) )	1 day ( ) 2 days ( ) 3 days ( ) 5 days ( ) Note: normal turner aund time is ten (10) working days; additional charges apply for rush orders  Sample type legend:  grab samples x composite samples xx
5. Microbiology Fecal Coliform Comments:		(	)	Total Coliform		(	)	BECKTON ENVIRONMENTAL LABORATORIES

\_\_\_Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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1.

.3.

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Company:

Sampler:

BEL ID Number: Control No.:

Date: Time:

Sample matrix:

Sample type:

.

Comments:

Analysis:

Note:

Relinquished and received by:

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A six digit number indicating day of collection, month and the year.

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Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab,

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Each parameter to be analyzed should be marked with an "X" or "XX"

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

(1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

The following preservatives must be always employed:

Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;

H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

PROJECT NO.		сомр	ANY G	E Juan	a Pr	az		SAMPLER V. Casta
SAMPLE LOCATION	N/CLIENT II	)		dru	m #	± 1	?	TIME 12:00 PM CONTROL NO.
SAMPLE DATE				9 -	-25-	15		BEL. NO. 14508 667
1. General Environn	nental:					, ,		D. 1. 1.
Acidity	( , )			Alkalinity		( )		Relinquished by:
Ammonia as N BOD-5	( )			Bicarbonate Bromide		( )		Hansa Leleira
Chloride	( )					( )		- Juny
COD	( )			Chlorine, Res.		( )		Date/Time: 9/25/95 1:15 p.14
Conductivity	( )			Color (ADMI) Color (Pt-Co)		( )		Date Time.
Dissolved Oxygen	( )			Cyanide		( )		Received by:
Hardness	( )			Fluoride		( )		The state of the s
Moisture %	( )			Iodine		( )		Villos Castro
Nitrite	( )			Nitrate		( )	•	
Oil+Grease	( )			Nitrate + Nitrite		( )	,	Date/Time: 9-25-95 1:15PM
Phenol	( )			pH		( )	)	
Phosphorus, Total	( )			Phosphate, Ortho			)	Relinquished by:
Sett. Solids mg/L	( )			Sett. Solids mL/L		( )	· 	1/1
Sulfate	( )			Solids, Total		Ò	)	Valor Castro
Sulfite	( )			Sulfide		( )	)	0 - 00 0
TDS	( )			Surfactant		( )	)	Date/Time: 9-25-95 3:30p4
Temperature	( )			TSS		( )	)	
TOC	( )			TKN		( )	)	Received by:
Asbestos in air	( )			Turbidity		( )	)	M. Vidal
2. Metals								( 2/ /2/ 2 2 1/
Aluminum	(Al)	(	)	Cadmium	(Cd)	( )	)	Date/Time: 9/26/95 8:00 AH
Chromium	(Cr)	(	)	Copper	(Cu)	( )		/ /
Iron	(Fe)	(	)	Lead	(Pb)	( )	)	
Manganese	(Mn)	(	)	Mercury	(Hg)	( )	)	Matrix:
Nickel	(Ni)	(	)	Selenium	(Se)	( )	)	air ( )
Silver	(Ag)	(	)	Tin	(Sn)	( )	)	water ( )
Zinc	(Zn)	(	)	Arsenic	(As)	( )	)	sludge ( )
Barium	(Ba)	(	)	Boron	( <b>B</b> )	( )	)	soil ( )
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)	solid ( )
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)	oil ( )
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	( .	)	mixed (★) other ( ) Specify:
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)	other ( ) Specify:
Potassium	(K)	(	)	Silicon	(Si)	(	)	
Sodium	(Na)	(	)	Strontium	(Sr)		) . `	Turnaround time:
Thallium Vanadium	(Tl)	(	)	Titanium	(Ti)	· ·	)	Turnaround dine.
v адасни <u>т</u>	(V)	,	)					1 day ( )
3. RCRA/Hazardou	ie wastes							2 days ( )
Ignitability (Flash P		(	)	Corrosivity		. (	) .	3 days ( )
Reactivity (CN & S		(	)	TCLP		ìχ	benjeno	5 days ( )
RCRA Metals	,	(	)	Organics-Pest/Her	rb	(		Note: normal turnaraued time is ten (10) working
Organics-BNA		ì	)	Organics-VOA		ì	, )	days; additional charges apply for rush
TOX		(	)	01 <b>8</b> -211-		`	,	orders
4. Specific Organic	s	,	,	Comi Valisilas (D)	MA)	(	`	Sample type legend:
Volatiles		(	J	Semi-Volitiles (Bl	MA)	•	)	grab samples x
Pesticides/PCB's Herbicides		(	)	PCB's Only TPH/Diesel (TPH	((1))	•	) }	composite samples xx
BTEX		(		TTO	(/ <b>D)</b>		)	· · · · · · · · · · · · · · · · · · ·
TTO & Dioxin		(	)	OTHER (Specify)		(	)	
5. Microbiology Fecal Coliform	٠	(	)	Total Coliform		(	)	
Comments:								BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street ◆ Ponce, PR 00731
								Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

### Scope And Application

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it is in your possession, or

it is in your view, after being in your possession, or .2.

it was in your possession and you locked it up, or

it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

## Procedure for filling chain-of-custody forms

1.:

3.

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: Company:

A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Sampler:

Date:

Time:

BEL ID Number: Control No.:

Sample matrix:

Sample type:

Each sampler is identified.

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed.

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil,

solid, mixed waste, or other. In the event other is selected specify the sample matrix. Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis: Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

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Note: (1)The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

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PROJECT NO.		сомр	ANY E	Juana V	ممنا	۲		SAMPLER	V	Carl	9
SAMPLE LOCATION	V/CLIENT II	D		dr	~~~ ~~~	#	2.		тіме	12:050	CONTROL NO.
SAMPLE DATE				7	-25-	95			BEL. NO.	14509	668
1. General Environn	nental:										
Acidity	( . )			Alkalinity			)	Relinquish	ed by:	1	
Ammonia as N	( )			Bicarbonate			)	$\mathcal{L}$	<u>'_</u>	-1 . 10	; )
BOD-5	( )			Bromide			)		any	of rife	was
Chloride	( )			Chlorine, Res.		(	)		8/20	·làc	1115 2.41
COD	( )			Color (ADMI)		(	)	Date/Time	-1/23,	//>	1.73 p .77
Conductivity	( )			Color (Pt-Co)		(	) \	Received b			
Dissolved Oxygen Hardness	( )			Cyanide Fluoride		( ;	) \	Keceiyeu t	, y	7 0	
Moisture %	( )			Iodine		(	)	$\vee$ $\tilde{\lambda}$		as to	
Nitrite	( )			Nitrate		- } :	) \				
Oil+Grease	( )			Nitrate + Nitrite		(	) \	Date/Time	1-25-	95 1:15	οм
Phenol	( )			pH		- } - ;	) \	Dute, Time	·		
Phosphorus, Total	( )			Phosphate, Ortho		- ?	) }	Relinguish	ed by:		
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	, `	1/-	1-1/	_	
Sulfate	( )			Solids, Total		$\sim$	) )	Vii	Con C		
Sulfite	( )			Sulfide		(	, )				
TDS	( )			Surfactant		· (	ń	Date/Time	9-25	·95 3:	3 dp M
Temperature	( )			TSS		ì	í				
TOC	( )			TKN		ì	Ś	Received b	y:	٨	
Asbestos in air	( )			Turbidity		(	j ,		M. Vi	Isl)	
2. Metals									- m	1	1,,1
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time	:: ~ <i>9/2</i>	6 195	8:00 ALL
Chromium	(Cr)	ì	í	Copper	(Cu)	ì	)			7	, ,
Iron	(Fe)	ì	í	Lead	(Pb)	ì	)				
Manganese	(Mn)	ì	í	Mercury	(Hg)	ì	)	Matrix:			
Nickel	(Ni)	ì	í	Selenium	(Se)	Ò	)		air (	)	
Silver	(Ag)	ì	)	Tin	(Sn)	(	)		water (	)	
Zinc	(Zn)	ì	)	Arsenic	(As)	(	)		sludge (	)	
Barium	(Ba)	ì	)	Boron	(B)	(	)		soil (	)	
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)		solid (	)	
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)		oil (	)	
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	(	)		mixed ()	-	
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)		other (	) Specify:_	
Potassium	(K)	(	)	Silicon	(Si)	(	)				
Sodium	(Na)	(	)	Strontium	(Sr)	(	) .	_			
Thallium	(Tl)	(	)	Titanium	(Ti)	(	)	Turnarour	nd time:		
Vanadium	(V)	(	)							`	
									1 day (	)	
3. RCRA/Hazardou						,	× 1		2 days (	)	
Ignitability (Flash P		(	)	Corrosivity		(	) benjene )	,	3 days ( 5 days (	)	
Reactivity (CN & S	)	(	)	TCLP	•	(*	densend	Nata.	•	, , , , , , , , , , , , , , , , , , , ,	_
RCRA Metals		(	)	Organics-Pest/Her	b	(	)	Note:		ime is ten (10) workin	B
Organics-BNA TOX		(	)	Organics-VOA		(	)		days; additional char orders	ges apply for resa	
4. Specific Organic	s							Sample ty	pe legend:		
Volatiles		(	)	Semi-Volitiles (BN	IA)	(	)				
Pesticides/PCB's		(	)	PCB's Only		(	)		grab samples		
Herbicides		(	)	TPH/Diesel (TPH/	/D)	(	)		composite sar	mples xx	
BTEX		(	)	TTO		(	)				
TTO & Dioxin		(	)	OTHER (Specify)		(	)				
5. Microbiology											
Fecal Coliform		(	)	Total Coliform		(	)				
Comments:											ABORATORIES
								_192 Villa Tel.: 809	Street ♦ Pone -841-7373 ♦ I	ce, PR 00731 Fax.: 809-841-	7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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1.

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Project Number:

Company:

A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are

Sampler:

BEL, ID Number: Control No.:

Date: Time:

Sample matrix:

Sample type:

Comments:

Analysis:

Relinquished and received by:

collected. Each sampler is identified.

Laboratory Identification Number unique for each sample and assigned by Beckton. A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

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PROJECT NO.		сомр	ANY E	Juana	Di	<u>a</u>		SAMPLER Casts
SAMPLE LOCATIO	n/client ii	D		dru	~~ ‡	‡ <u>;</u>	3	TIME 12:10pm CONTROL NO.
SAMPLE DATE				9- 2	25-9	5		BEL. NO. 14510 669
1. General Environ Acidity	mental:			Alkalinity		( )	)	Relinquished by:
Ammonia as N	( )			Bicarbonate		( )	) \	January Leslers
BOD-5 Chloride	( )			Bromide Chlorine, Res.		( )	) \	- your John -
COD	( )					( )	) \	Date/Fime: 9/25/95 1:15 p.14
Conductivity	( )			Color (ADMI) Color (Pt-Co)	•	( )	, \	Date/Time.
Dissolved Oxygen	( )			Cyanide		( )	, \	Received by:
Hardness	( )			Fluoride		( )	) \	Accepted by
Moisture %	( )			Iodine		( )	) \	Vala Casho
Nitrite	( )			Nitrate		( )	, .	
Oil+Grease	( )			Nitrate + Nitrite		( )	) \	Date/Time: 9-25-95 1:15pm
Phenol	( )			pH		( )	)	Date, Time.
Phosphorus, Total	( )			Phosphate, Ortho		( )	)	Relinquished by:
Sett. Solids mg/L	. ( )			Sett. Solids mL/L		· ( )	Ś	17-1-11-11-
Sulfate	( )			Solids, Total			Ś	Vieto (astro
Sulfite	( )			Sulfide		ì	,	
TDS	(			Surfactant		Ò	Ś	Date/Time: 9-25-95 3:30PM
Temperature	· ( · ·)			TSS		Ò	Ó	
TOC	<i>(</i> )			TKN		Ò	) ·	Received by:
Asbestos in air	( )			Turbidity		( )		M. Violal
2. Metals								11/2/1/2 2 11/
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time: 9/26/95 8:00AW
Chromium	(Cr)	ì	)	Copper	(Cu)	(	)	/ /
Iron	(Fe)	Ċ	)	Lead	(Pb)	(	)	
Manganese	(Mn)	į.	)	Mercury	(Hg)	( )	)	Matrix:
Nickel	(Ni)	(	)	Selenium	(Se)	( )	)	air ( )
Silver	(Ag)	(	)	Tin	(Sn)	( )	)	water ( )
Zinc	(Zn)	(	)	Arsenic	(As)	( )	)	sludge ( )
Barium	(Ba)	(	)	Boron	(B)	( )	)	soil ( )
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)	solid ( )
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)	oil ( )
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	( )	)	mixed (X)
Magnesium	(Mg)	(	)	<b>M</b> olyb <b>denu</b> m	( <b>M</b> o)	(	)	other ( ) Specify:
Potassium	(K)	(	)	Silicon	(Si)	( )	)	
Sodium	(Na)	(	)	Strontium	(Sr)		) .	The second disease
Thallium	(Tl)	(	)	Titanium	(Ti)	(	)	Turnaround time:
Vanadium	(V)	(	)					1 day ( )
2 DCD 4 /// 1-								1 day ( ) 2 days ( )
3. RCRA/Hazardo		,	`	Come alstiss		(	`	3 days ( )
Ignitability (Flash I		(	)	Corrosivity TCLP		(5)	) bosso.	5 days ( )
Reactivity (CN & S RCRA Metals	")	(	)	Organics-Pest/Her	h	(*	) benzen	Note: normal turner and time is ten (10) working
Organics-BNA		(	)	Organics-VOA	,	~	)	days; additional charges apply for rash
TOX		(	)	Olganics-1071		`	,	orders
4. Specific Organic	es			0 (1) (2)	7.4.	,	,	Sample type legend:
Volatiles		Ċ.	)	Semi-Volitiles (BN	A)	(	<i>)</i>	grab samples x
Pesticides/PCB's		(	)	PCB's Only TPH/Diesel (TPH/	/D)		)	composite samples xx
Herbicides		(	)	TTO	יו		)	tomp-ser oumpres
BTEX TTO & Dioxin		(	)	OTHER (Specify)			)	
		`		· •				
5. Microbiology Fecal Coliform		,	١	Total Coliform		(	)	
i coai Contorm		(	)	Total Contolin		(	,	
Comments:					<u> </u>			BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street ◆ Ponce, PR 00731
			<u>.</u>					Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

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Project	Numl	er:	 T NATE	٠
Compar	ıv:	1		

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Date: Time:

A six digit number indicating day of collection, month and the year. A four digit number indicating time of collection; military time must be preferably

Sample matrix:

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Sample type:

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981

PROJECT NO.		СОМР	GY (	EJuan	~a K	کیر		SAMPLER	V. Carto
SAMPLE LOCATION	/CLIENT I	D		dr	~~~	#	: 4		TIME [2:15p] CONTROL NO.
SAMPLE DATE			····		7-25	- 9	5		BEL. NO. 14511 670
General Environm Acidity     Ammonia as N	nental:			Alkalinity Bicarbonate		( )		Relinquishe	d by:
BOD-5	( )			Bromide		( )		Ha	my delera_
Chloride	( )			Chlorine, Res.		$\sim$	) )	7	
COD	(			Color (ADMI)		( )	, )	Date/Time:	9/25/95 1:15 p.14
Conductivity	<b>(</b> )			Color (Pt-Co)		( )	)		
Dissolved Oxygen	<u>( )</u>			Cyanide		Ò	)	Received by	y:
Hardness	( )			Fluoride			)	\ / -	1 (/-//-
Moisture %	<b>(</b> )			Iodine		Ò	)	1/2	the state of the s
Nitrite	( )			Nitrate			)		
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time:	9-25.95 1:15PM
Phenol	( )			pН		(	)		
Phosphorus, Total	( )			Phosphate, Ortho		( )	)	Relinquishe	d <b>/</b> by:
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)	1/-	
Sulfate	( )			Solids, Total		(	)	Vu	ascu
Sulfite	( )			Sulfide		( )	)		0 0 0-03-44
TDS	( )			Surfactant		( )	)	Date/Time:	9-25-95 3:30pM
Temperature	( )			TSS		( )	)		•
TOC	( )			TKN		( )	)	Received by	y: 11 11 1 1
Asbestos in air	( )			Turbidity		( )	)		M-Vidal
2. Metals									9/26/95 8:00 SH.
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time:	9/46/95 8:00 AH.
Chromium	(Cr)	(	)	Copper	(Cu)	(	)		/ /
Iron	(Fe)	(	)	Lead	(Pb)	(	)		
Manganese	(Mn)	(	)	Mercury	(Hg)	.(	)	Matrix:	
Nickel	(Ni)	(	)	Selenium	(Se)	(	)		air ( )
Silver	(Ag)	(	)	Tin	(Sn)	(	)		water ( )
Zinc	(Zn)	(	)	Arsenic	(As)	(	)		sludge ( ) soil ( )
Barium	(Ba)	(	)	Boron	(B)	(	)		solid ( )
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)		oil ( )
Bismuth	(Bi)	(	)	Calcium Cobalt	(Ca) (Co)	(	<i>)</i>		mixed (🗙)
Chromium, VI Magnesium	(CrVI)	(	)	Molybdenum	(Mo)	(	<i>)</i>		other ( ) Specify:
Potassium	(Mg)	(	,	-	(Si)	(	) \		( ) 5,000
Sodium	(K ) (Na)	(	,	Silicon Strontium	(Sr)	(	)		
Thallium	(Tl)	(	)	Titanium	(Ti)	ì	) . }	Turnaround	d time:
Vanadium	(V)	. (	)	1 100111	()	`	,		
	` '	`	,						1 day ( )
3. RCRA/Hazardou	s wastes								2 days ( )
Ignitability (Flash P	t.)	(	)	Corrosivity		(	)		3 days ( )
Reactivity (CN & S		į.	)	TCLP		( <b>x</b>	) benzen	્ર	5 days ( )
RCRA Metals		(	)	Organics-Pest/Herl	,	(	) * * * * * * * * * * * * * * * * * * *	Note:	normal turner aund time is ten (10) working
Organics-BNA TOX		(	)	Organics-VOA		(	)		days; additional charges apply for rush orders
4. Specific Organics	2	,	,					Sample typ	
Volatiles	•	1	Λ.	Semi-Volitiles (BN	(A)	(	)	J	<del></del>
Pesticides/PCB's		(	)	PCB's Only	- •,	1	)		grab samples x
Herbicides		(	)	TPH/Diesel (TPH/	D)		)		composite samples xx
BTEX		ì	)	TTO	,	ì	)		
TTO & Dioxin		(	)	OTHER (Specify)		(	)		
6 Min-data									
5. Microbiology		,		Tatal California		,	`		
Fecal Coliform		(	)	Total Coliform		(	)		
Comments:									N ENVIRONMENTAL LABORATORIES  Street ◆ Ponce, PR 00731
						<del></del>			841-7373 ♦ Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

### Procedure for filling chain-of-custody forms

1.

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number:

Company:

Sampler:

BEL ID Number: Control No.:

Date: Time:

Sample matrix

Sample type:

Comments:

Note:

Analysis:

Relinquished and received by:

A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Each sampler is identified.

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed.

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab. Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Each parameter to be analyzed should be marked with an "X" or "XX"

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

(1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

PROJECT NO.		сомра	۲۹۶۶ سر	EJum	a D	ب	>/	SAMPLER V. Casho
SAMPLE LOCATION				Une	al C	9	ent	TIME /2:25pl CONTROL NO.
SAMPLE DATE				9	-25	-9	5	BEL. NO. 14506 672
1. General Environm	iental:							
Acidity	$(\ )$			Alkalinity		(	)	Relinquished by:
Ammonia as N	( )			Bicarbonate		(	)	
BOD-5	( )			Bromide		(	)	yany Lylera
Chloride	( )			Chlorine, Res.		ì	)	
COD	<i>(</i> )			Color (ADMI)		ì	)	Date/Time: 9/25/55 1:15 p.W
Conductivity	( )			Color (Pt-Co)		ì	Ś	
Dissolved Oxygen	( )			Cyanide		ì	í	Received by:
Hardness	( )			Fluoride		$\tilde{c}$	)	
Moisture %	( )			Iodine		(	)	Vich Coto
Nitrite	( )			Nitrate		(	,	
	( )					(	,	D. M: A-0 A-0 A-0 A-0
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time: 9-25-95 1:15-PM
Phenol	( )			pН		(	)	
Phosphorus, Total	( , )			Phosphate, Ortho		(	)	Relinquished by:
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)	1/ 1/ (-2)
Sulfate	( )			Solids, Total		(	)	View Carra
Sulfite	( )			Sulfide		(	)	
TDS	( )			Surfactant		(	)	Date/Time: 9-25-55 3. 30PM
Temperature	( )			TSS		(	)	•
TOC	( )			TKN		(	)	Received by:
Asbestos in air	( )			Turbidity		Ì	)	M-Vidal
2. Metals								
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time: 9/26/95 8:00 AU
Chromium	(Cr)	ì	í	Соррег	(Cu)	ì	í	
Iron	(Fe)	ì	í	Lead	(Pb)	ì	)	
Manganese	(Mn)	7	,	Mercury	(Hg)	7	<u> </u>	Matrix:
Nickel	(Ni)	(	,	Selenium	(Se)	(	,	air ( )
Silver		(	,	Tin			,	water ( )
	(Ag)	(	,		(Sn)	(	,	` '
Zinc	$(\mathbf{Z}\mathbf{n})$	(	)	Arsenic	(As)	(	)	sludge ( )
Barium	(Ba)	(	)	Boron	(B)	(	(	soil ( )
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)	solid ( )
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)	oil ( )
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	(	)	mixed ( )
Magnesium	(Mg)	(	)	Molybdenum	( <b>M</b> o)	(	)	other (x) Specify: Ceolant
Potassium	(K)	( .	)	Silicon	(Si)	(	)	
Sodium	(Na)	(	)	Strontium	(Sr)	(	) .	
Thallium	(Tl)	(	)	Titanium	(Ti)	(	)	Turnaround time:
Vanadium	(V)	(	)					
								1 day ( )
3. RCRA/Hazardous	wastes							2 days ( )
Ignitability (Flash Pt	.)	(	)	Corrosivity		(	)	3 days ( )
Reactivity (CN & S)		Ì	Ś	TCLP		ì	)	5 days ( )
RCRA Metals		(×	· Ś	Organics-Pest/Her	h	ì	)	Note: normal turner and time is ten (10) working
Organics-BNA		(	' '	Organics-VOA	O	$\sim$	)	days; additional charges apply for rush
TOX		(	)	Organics von		`	,	orders
IOA		(	,					<b>W</b> 4M 0
4. Specific Organics								Sample type legend:
Volatiles		(	)	Semi-Volitiles (BN	(A)	(	)	
Pesticides/PCB's		ì	Ó	PCB's Only	,	ì	)	grab samples x
Herbicides		ì	)	TPH/Diesel (TPH/	'D)	ì	)	composite samples xx
BTEX		(	)	TTO	,	7	í	
TTO & Dioxin		(	)	OTHER (Specify)		(	)	
5. Microbiology								
Fecal Coliform		(	)	Total Coliform		(	)	
. cour Comorni		,	,	Tomi Collini		,	,	
Comments:					· · · · · · · · · · · · · · · · · · ·			BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street ♦ Ponce, PR 00731

Tel.: 809-841-7373 • Fax.: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5,0 adopted on May 24, 1995]

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Sample matrix:

Sample type:

Comments:

Analysis:

Note:

Relinquished and received by:

A number given to the project, optional.

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.



October 13, 1995

## ANALYSIS REPORT

SAMPLE IDENTIFICATION: Used Coolant

G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Liquid

Lab. sample ID:

BEL-14506

Sample wt/vol: 1000/\_5.0 ( g/mL) mL

Lab. File ID: 14506TCL

Column: (pack/cap)

capillary

Date Received:

09/25/95

Date Analyzed:

10/04/95

## MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
	METALS (SW-846 7000's)			
D004	Arsenic	N.D.	0.005	5.0
D005	Barium	N.D.	0.30	100.0
D006	Cadmium	N.D.	0.01	1.0
D007	Chromium	N.D.	0.05	5.0
D008	Lead	N.D.	0.10	5.0
D009	Mercury	N.D.	0.0005	0.2
DO10	Selenium	N.D.	0.005	1.0
D011	Silver	N.D.	0.020	5.0

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Eulalia Medina Pérez LIC. # 3901 Lcda. Eulalia Medin

Chemist

Shemist License 3901



November 10, 1995

#### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Used Coolant

G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Liquid

Lab. sample ID:

BEL-14506

Sample wt/vol: 60

(g/mL) mL

Lab. File ID: 14506TCL

Column: (pack/cap)

capillary

Date Received: 09/25/95

Date Analyzed: 11/09/95

## HAZARDOUS CHARACTERISTICS

IGNIGTABILITY: Hazardous Waste Number D 001

The sample does NOT exhibit the characteristic of ignigatility according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Flash point >1400 F

CORROSITIVITY: Hazardous Wastes Number D 002

The sample does not exhibit the characteristic of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

The pH of the sample was 4.38 S.U. @ 120C.

CIADO

afael Infante

Note: Sample analyzed after holding time limit at the request of the client.

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo/Rafael Information Laboratory Direct Chemist License 18

192 VILLA STREET PONCE, P.R. 00731

TEL. (809) 841-7373 FAX (809) 841-7313

PROJECT NO.	col	MANY .	Mana	Dias		SAMPLER/	. Cast	Xi;	
SAMPLE LOCATIO	N/CLIENT ID		slingt	madi.	William		ТІМЕ	\$ 14 A	CONTROL NO.
SAMPLE DATE			<i>y</i>	51-95		united to the second	BEL. NO.		14
1. General Environ	mental:					Relinquish	and here		
Acidity Ammonia as N	( )		Alkalinity Bicarbonate	(	1	Kennquisi	ieu uy.	1 1	•
BOD-5	·	estretti.	Bromide	}	,	4	andy.	$\sim 10^{-1}$	100
Chloride	7 3		Chlorine, Res.	`	· · ·		677	2 of 75 comm	76. X
COD	73		Color (ADMI)	ì	Ś	Date/Time	e:		1.00 (a . P)
Conductivity	7		Color (Pt-Co)	ì	í	7	aran aran aran da aran		
Dissolved Oxygen	? (S		Cyanide	ì	Ś	Received l	byl	)	
Hardness	( )		Fluoride	(	)	1/17	1 2	and the same	
Moisture %	( )		lodine	(	)		- V - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	18. K. V. V.	<u> </u>
Nitrite	( )		Nitrate	(	)		Y-51-	ae a	MAGG
Oil+Grease	( )		Nitrate + Nitrite	(	)	Date/Time	e:		<u> </u>
Phenol	( )		pН	(_	)			CONTRACTOR DATE	
Phosphorus, Total	( )		Phosphate, Ortho	(	)	Relinquish	ned by:	1000	
Sett. Solids mg/L	( )		Sett. Solids mL/L	(	)				
Sulfate	( )		Solids, Total	(	)				
Sulfite TDS	( )		Sulfide Surfactant	(	i di	Date/Time	<b>.</b> .		
Temperature	( )		TSS	- 140 day - 7 }	1	Date/11111			<u> </u>
TOC			TKN	}	1	Received	bv:		
Asbestos in air	( )		Turbidity	```	·				
2. Metals			of an experience of the second			-			<u> </u>
Aluminum	(Al) (	)	Cadmium	(Cd) (	)	Date/Time	e:		10.10.
Chromium	(Cr) (	ý	Copper	(Cu) (	) :				
Iron	(Fe) (	)	Lead	(Pb) (	)			pages Alde	144 C
Manganese	(Mn) (	)	Mercury	(Hg) (	)	Matrix:			
Nickel	(Ni) (	)	Selenium	(Se) (	)		air (	)	
Silver	(Ag) (	)	Tin	(Sn) (	)		water (	)	
Zinc	(Zn) (	)	Arsenic	(As) (	)		sludge (	)	
Barium	(Ba) (	)	Boron	(B) (	)		soil (*\	a Major Baroli neligibil	
Antimony	(Sb) (	)	Beryllium	(Be) (	)	32	solid ( oil (	7	
Bismuth	(Bi) (	)	Calcium	(Ca) (			mixed (	1	
Chromium, VI	(CrVI)	( )	Cobalt Molybdenum	(Co) (			other (	) Specify:	
Magnesium Potassium	(Mg) ( (K) (	, ,	Silicon	(Mo) ( (Si) (			Ouici (	, cpcc.,	
Sodium	(Na) (		Strontium	(Sr) (	,				
Thallium	(Tl) (	)	Titanium	(Ti) (	)	Turnarou	nd time:		
Vanadium	(V) (	)		Y-War			10 July 1985		
a Deniar - 1					1981,980		1 day ( 2 days (	)	
3. RCRA/Hazardo			Corrosivity	,			2 days (	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Ignitability (Flash I Reactivity (CN & S			TCLP	\ 1	)	1000	5 days (	(	
RCRA Metals	") (	. <i>)</i>	Organics-Pest/Herb	i T	1	Note:		me is ten (10) working	
Organics-BNA		\	Organics-VOA	ì	3		days; additional char		
TOX	,	( )	-9 -515 · 516		all estimates and a section of	g Grander Co.	arders		
4. Specific Organic	>s					Sample ty	/pe legend:		
Volatiles	(	( )	Semi-Volitiles (BNA	.) (	)		grab samples	X	
Pesticides/PCB's	•	( )	PCB's Only	) (			composite sar		
Herbicides BTEX		( )	TPH/Diesel (TPH/D TTO	7 (	(		composite sai	-r ****	
TTO & Dioxin		( ) ( )	OTHER (Specify)	<u> </u>	)	100		general in	
5. Microbiology			Managara (Papara)						
Fecal Coliform		( )	Total Coliform	(	)				
	$\tau$ (1 $P$	Δ	C RA						AW. MARIES
Comments:	1 " foot	<u> </u>	~ J ( ) ~ ~					MENTAL LAB	UKATUKIES
							Street • Pond		13
estretimente de la cital de la compania de la comp					naro yane etalua dalilari (bila 1641 Al	1 e1.: 809	r-041-7373 ♥ I	ax.: 809-841-73	

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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			be													1.			

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Customers will utilize this number for determining status of samples. A six digit number indicating day of collection, month and the year.

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U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

DATE/TIME = SEP-08-1995 16:25

JOURNAL No. = 10

COMM.RESULT = OK

PAGE(S) = 001/001

DURATION = 00:00'38

FILE No. = 187

MODE = MEMORY TRANSMISSION

DESTINATION = 98411078

RECEIVED ID = /

RESOLUTION = STD

-CARIBE GENERAL ELECTRIC -

PROJECT NO.	COMPA	ury L	(www.	SAMPLER
SAMPLE LOCATION	N/CLIENT ID	Y. Am	andin x	TIME SAA CONTROL NO.
SAMPLE DATE		?	31 75	BEL. NO.
. General Environs	mental:	The companies of the section of		Relinquished by:
Acidity Ammonia as N	( )	Alkalinity Bicarbonate		Relinquisited by.
SOD-5	( )	Bromide	,	
Chloride	} {	Chlorine, Res.	}	
COD	7 7	Color (ADMI)	i i	Date/Time:
Conductivity	<b>`</b>	Color (Pt-Co)	<u>(</u> )	
Dissolved Oxygen	( )	Cyanide	( )	Received by:
lardness	( )	Fluoride	( )	$XI \rightarrow I I I I I I I I I I I I I I I I I I$
Aoisture %	( )	Iodine	( )	VICTOR CALLO
Vitrite	( )	Nitrate	( )	Date/Time: X & S 1 35 9:00A M
il+Grease	( )	Nitrate + Nitrite	( )	Date/Time: 8 8 15 1/00 A 4
Phenol	( )	pН		······································
Phosphorus, Total	( )	Phosphate, Ortho		Relinquished by:
Sett. Solids mg/L	( )	Sett. Solids mL/I	( )	
Sulfate	( )	Solids, Total	( )	
Sulfite FDS	( )	Sulfide Surfactant	( )	Date/Time:
Cemperature		TSS		pac/1mc-
COC	· /····	TKN	}	Received by:
Asbestos in air	( )	Turbidity	( )	The materials of the second se
. Metals		and the second of the	and property reflect	18 18 18 18 18 18 18 18 18 18 18 18 18 1
Aluminum	(Al) (	) Cadmium	(Cd) ( )	Date/Time:
Chromium		( ) Copper	(Cu) ( )	
ron	(Fe) (	) Lead	(Pb) ( )	
Manganese	(Mn) (	) Mercury	(Hg) ( )	Matrix:
Vickel	(Ni) (	) Selenium	(Se) ( )	air ( )
Silver	(Ag) (	) Tin	(Sn) ( )	water ( 💢 )
Zinc .	(Zn) (	) Arsenic	(As) ( )	sludge ( )
Barium	(Ba) (	) Boron	(B) ( )	soil ( )
Antimony	(Sb) (	) Beryllium	(Be) ( )	solid ( )
Bismuth	(Bi) (	) Calcium	(Ca) ( )	oil ( )
Chromium, VI	(CrVI) (	) Cobalt	(Co) ( )	mixed ( ) other ( ) Specify:
Magnesium	(Mg) (	) Molybdenum	(Mo) ( )	omer ( ) specify
Potassium	(K) (	) Silicon	(Si) ( )	and the Committee of th
Sodium Fhallium	(Na) (	) Strontium	(Sr) ( ) (Ti) ( )	Turnaround time:
i nailium Vanadium	(Tl) ( (V) (	) Titanium )	ga Maria ara	
				1 day ( )
3. RCRA/Hazardou		Carlo Ca	MESSAGE FOR THE STATE OF THE	2 days ( ) 3 days ( )
gnitability (Flash F		) Corrosivity		5 days ( )
Reactivity (CN & S RCRA Metals	)) ( ,	) TCLP	( )	Note: normal turner aund time is ten (10) working
Organics-BNA		) Organics-Pest/H ) Organics-VOA	( )	days; additional charges apply for rush
Organics-BINA FOX	( (	) Organics-vOA	V /	orders
I. Specific Organic			t garen og skrivet	Sample type legend:
v. Specific Organic Volatiles	~	) Semi-Volitiles (I	BNA) ( )	
Pesticides/PCB's	ì	) PCB's Only	( )	grab samples x
Herbicides	ì	) TPH/Diesel (TP:	H/D) ( )	composite samples xx
3TEX	Ì.	) TTO	( )	
TTO & Dioxin	ì	) OTHER (Specifi	n) ()	unityris ()
5. Microbiology		4,000	ng magaging ng galasana and banman sa sa S	
Fecal Coliform	( )	) Total Coliform	( )	
				CONTROL CONTROL OF SECTION CONTROL CON
Comments:				BECKTON ENVIRONMENTAL LABORATORIES
				192 Villa Street ♦ Ponce, PR 00731
	i da wasan kali da kasa ka a ka a	e de la company de la comp		$T_{el} \cdot 800_{-}841_{-}7373  \bullet  Fax \cdot 800_{-}841_{-}7313$

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

Date:

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## BECKTON ENVIRONMENTAL

## LABORATORIES, INC.

September 7, 1995

## ANALYSIS REPORT

SAMPLE IDENTIFICATION: Cooling Tower Sludge

G.E., Fab. (Juana Díaz)

Att.: Nancy Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: V. Castro

Matrix: Solid

Lab. sample ID:

BEL-14197

Sample wt/vol: 100 g

Lab. File ID: 14197TCL

Date Received: 08/31/95 Date Extracted: 08/31/95 Date Analyzed: 09/07/95

CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
METALS (SW-846 7000's)			
Arsenic Barium	N.D. 2.31	0.005 0.30	5.0
-	METALS (SW-846 7000's) Arsenic	( mg/L)  METALS (SW-846 7000's)  Arsenic N.D.	CONTAMINANT  RESULTS LIMIT (mg/L)  (mg/L)  METALS (SW-846 7000's)  Arsenic N.D. 0.005

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcda. Eulalia Medina Chemist

Chemist License 3901

TEL. (809) 841-7373 FAX (809) 841-7313

Eulalia Medina Pérez LIC. # 3901

PROJECT NO.		COM	ANY.	Juana	Dio	rð G		SAMPLER	Castro
SAMPLE LOCATION	/CLIENT	ID		Colenate	-ues		ludge		TIME S:40AM CONTROL NO.
SAMPLE DATE				87- 3	31-9	5			BEL. NO. 14197 72"
1. General Environm	ental:								
Acidity	( , )			Alkalinity		(	)	Relinquish	ed by:
Ammonia as N	( )			Bicarbonate		(	)		aney defeira
BOD-5	( )			Bromide		(	)		mey series
Chloride	( )			Chlorine, Res.		(	)	Date/Time	8 31-95 9:00 a.m
COD	( )			Color (ADMI)		(	)	Date/Time	<u> </u>
Conductivity	( )			Color (Pt-Co)		(	)	Received b	N/1
Dissolved Oxygen	( )			Cyanide		(	)	Received	
Hardness	( )			Fluoride Iodine		(	)	Vic	In cotte
Moisture % Nitrite	( )			Nitrate		(	)	<u> </u>	3000
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time	8-31-95 9:00AM
Phenol	( )			pH		(	)	Date/Time	
Phosphorus, Total	( )			Phosphate, Ortho		(	)	Relinquish	ed by:
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	, ,	"Gradaton	
Sulfate	( )			Solids, Total		(	,	VIII	a Casto
Sulfite	( )			Sulfide		$\dot{}$	,	100	
TDS	( )			Surfactant		$\tilde{c}$	, )	Date/Time	8-31-95 3:15pM
Temperature	( )			TSS		ì	í	,	
TOC	( )	•••		TKN		ì	)	Received b	OY: 44
Asbestos in air	( )			Turbidity		(	Ś		M. Vidal
2. Metals									
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time	: 68/31/95 41:30 PM
Chromium	(Cr)	ì	)	Соррег	(Cu)	Ì	)		
Iron	(Fe)	ì	)	Lead	(Pb)	(	)		•
Manganese	(Mn)	ì	Ć	Мегсигу	(Hg)	(	)	Matrix:	
Nickel	(Ni)	ì	)	Selenium	(Se)	(	)		air ( )
Silver	(Ag)	į (	)	Tin	(Sn)	(	)		water ( )
Zinc	(Zn)	į (	)	Arsenic	(As)	(	)		sludge ( )
Barium	(Ba)	(	)	Boron	(B)	(	)		soil (X)
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)		solid ( )
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)		oil ( )
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	(	)		mixed ( )
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)		other ( ) Specify:
Potassium	(K)	(	)	Silicon	(Si)	(	)		
Sodium	(Na)	(	)	Strontium	(Sr)	(	) .		
Thallium	(Tl)	(	)	Titanium	(Ti)	(	)	Turnarour	d time:
Vanadium	(V)	(	)						
									1 day ( )
3. RCRA/Hazardous				~		,	,		2 days (X)
Ignitability (Flash Pt		(	)	Corrosivity		(	)		3 days ( ) 5 days ( )
Reactivity (CN & S)		(	)	TCLP		(	)	Note:	
RCRA Metals		(	)	Organics-Pest/Herb		(	)	Note.	aornal turnareund time is tea (10) working days; additional charges apply for rush
Organics-BNA TOX		(	)	Organics-VOA		(	)		days; adminual charges apply for the orders
4. Specific Organics								Sample ty	pe legend:
Volatiles		(	)	Semi-Volitiles (BNA	<b>(</b> )	(	)		
Pesticides/PCB's		(	)	PCB's Only		(	)		grab samples x
Herbicides		(	)	TPH/Diesel (TPH/D	))	(	)		composite samples xx
BTEX		(	)	TTO		(	)		
TTO & Dioxin		(	)	OTHER (Specify)		(	)		
5. Microbiology				m . 1 a 22		,	`		
Fecal Coliform		(	) .	Total Coliform		(	)		
Comments:	TC	LP	_ <u>A</u>	S, Ba		_		<del></del>	N ENVIRONMENTAL LABORATORIES Street ♦ Ponce, PR 00731
	0			63 62	9.0	Swap			841-7373 ♦ Fax: 809-841-7313

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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Sample matrix

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PROJECT NO.	coy	JE	· Jaana	Quas			SAMPLER	/, Ce	esti	۵	<u> </u>
SAMPLE LOCATIO	N/CLIENT ID		9000	netr	Ž ,	slud	lal	тіме	8	'35'A H	CONTROL NO.
SAMPLE DATE			8.3	1-95			3	BEL. NO.		H98	728
1. General Environ	nental:		4.5	1			· · · · · · ·				and the second
Acidity	(C. 2)	x4 (2)	Alkalinity		( ', )	4.5	Relinquish	ied by:	e Tarantan	1	*
Ammonia as N BOD-5	( )		Bicarbonate		$( \ )$			G.		101	112)
BOD-5 Chloride	( )		Bromide Chlorine, Res.		( )			<u> CANA</u>	+	- Je	aller
COD	( )		Color (ADMI)		( )		Date/Time	190	31-	95	9:009.1
Conductivity	( )		Color (Pt-Co)		( )		Dute/ I IIM		· · ·	<u>/ ~ ~ </u>	<u> </u>
Dissolved Oxygen	( )		Cyanide		( )		Received l	by: 🔨			
Hardness	<u>(</u> )		Fluoride		(		\/_	F ()			
Moisture %	( )		Iodine		( )		Vw	<u>ر) رحما</u>	asl	20	
Nitrite	( )		Nitrate		( )				, ,		3 A A I
Oil+Grease	( )		Nitrate + Nitrite		( )		Date/Time	e: <u>8-3</u>	1-95	9:0	DAM
Phenol	( )		pН		( )	••••	/		~		····-
Phosphorus, Total	, ( )		Phosphate, Ortho		( )		Relinquist	ed by:	1.1		
Sett. Solids mg/L	( )		Sett. Solids mL/L		( )	4 July 19	Virl	~ (	1		
Sulfate	( )		Solids, Total		(		<u> </u>	<u>,,                                   </u>			
Sulfite	( )		Sulfide		( )		D-4- /T"	.8-31	795	3.1	5 <b>M</b>
TDS Temperature	( )		Surfactant		( )		Date/Time	:	-		
TOC	( )		TSS TKN		( )		Received I	hv:			
Asbestos in air	( )		Turbidity		( )		Vecelved	", h/ 1	1:11		
2. Metals								U11-1	LAGE	1	_
2. Metais Aluminum	(Al) (	١	Cadmium	(Cđ)	, , , , , , , , , , , , , , , , , , ,		Date/Time		2/21	195	4:30 PM
Chromium		<b>X</b> ()	Сартит	(Cd) (Cu)	( )		Date/ I fill	··	3/3/		1.0017
Iron Iron	(Fe) (	~ )	Lead	(Pb)	( )				•		
Manganese	(Mn)	)	Мегсигу	(Hg)	( )		Matrix:				
Nickel	(Ni) (	)	Selenium	(Se)	( ) ( )			аіг	( )		4
Silver	(Ag) (	j,	Tin	(Sn)	(			water	( <b>x</b> )		
Zinc	(Zn) (	)	Arsenic	(As)	( )	* * * * * * * * * * * * * * * * * * * *		sludge	( )		ini V <sup>‡</sup>
Barium	(Ba) (	)	Boron	(B)	( )			soil	( )		
Antimony	(Sb) (	)	Beryllium	(Be)	( )			solid	( )		
Bismuth	(Bi) (	)	Calcium	(Ca)	( )			oil	( )		
Chromium, VI	(CrVI)	( )	Cobalt	(Co)	( )			mixed	( )		
Magnesium	(Mg) (	)	Molybdenum	(Mo)	( )			other	$()$ $S_1$	pecify:	
Potassium Sodium	(K) (	)	Silicon	(Si)	( )						
Sodium Thallium	(Na) (	. )	Strontium	(Sr)	( ).		Тигпагоці	nd time:			
i namum Vanadium	(Tl) ( (V) (	)	Titanium _	(Ti)	( )		i al Ualoni	io unie:			
	• • • • • • • • • • • • • • • • • • • •	,					-	1 day	( )		
3. RCRA/Hazardou								2 days	<b>(X)</b>		
Ignitability (Flash P		)	Corrosivity		( )			3 days	( )		
Reactivity (CN & S	) (	)	TCLP		( )			5 days	( )		
RCRA Metals	(	)	Organics-Pest/Herb		( )		Note:	normal turners			
Organics-B <b>NA</b> TOX	(	)	Organics-VOA		( )			days; additional orders	l charges apply	for rush	
4 Specific O-co-:	·	•					Samula to	ne legend			
<ol> <li>Specific Organic</li> <li>Volatiles</li> </ol>	s ,	· \	Semi-Volitiles (BNA)		( )		Sample ty	pe legend:			
Pesticides/PCB's	(	; ;	PCB's Only	,	(			grab samp	oles	x	
Herbicides	(	)	TPH/Diesel (TPH/D)	)	( )			composite		xx	
BTEX	(	<u> </u>	TTO		( )			•	-		
TTO & Dioxin	Ò	, )	OTHER (Specify)		( )						
5. Microbiology											
Fecal Coliform	(	)	Total Coliform		( )						
Comments:	und.	an a	Aus. 9-5	-90	em em		BECKTO	N ENVIR	ONMEN	FAL LARG	ORATORIES
Comments	with the think of James			/ *sd				Street • F			
					····· perment			-841-7373			13

### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number:

A number given to the project, optional.

Company:

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are

collected.

Sampler:

BEL ID Number: Control No.:

Each sampler is identified.

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples.

Sample matrix:

Date: Time: A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably

employed. AM and PM should be stated in case normal time is employed.

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments:

Sample type:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

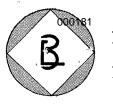
legible. If not legible, print name above signature.

Note:

- (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
- (2)Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
- (3)If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
- (4)The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO3 for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.



### **BECKTON ENVIRONMENTAL**

### LABORATORIES, INC.

### MEMORANDUM

To:

Ms. Nancy Texeira

G.E., Fab. (Juana Diaz)

From:

Rafael Infant Reckton Environmental Laboratories, Inc.

Date:

August 15, 1995

Re.:

Pb QC for sample BEL-12477

Enclosed please find QA/QC documentation for the lead (Pb) determination of sample from G.E.- Juana Diaz (BEL-12477).

- (a) Pb analysis follows method SW-846 7420; sample preparation is done by SW-846 1311 (TCLP extraction) followed by SW-846 3010 (Acid digestion of extracts for AA analysis)
- (b) The sample was analyzed for Pb on 05/30/95; QA/QC procedures for Pb analysis include the analysis of a matrix spike and a duplicate every ten (10) samples. Accuracy limit is 77 121%; precision limit is > 80% RSD.
- (c) Results from the control samples analyzed before and after the analysis are as follows:

SAMPLE I.D.	RESULT, mg/L	DUPLICATE, mg/L	PRECISION, %
BEL-12460	0.663	0.656	99
BEL-12647	< 0.10	< 0.10	100

0

Ms. Nancy Texeira Page -2-

SAMPLE ID	SAMPLE mg/L	MS mg/L	SPIKE mg/L	% RECOVERY	MSD mg/L	% RECOVERY	% RSD (± 20 %)
BEL-12460	0.663	8.18	8.0	94	8.67	100	4.4
BEL-12647	< 0.10	3.98	4.0	97	4.05	99	1.4

MS- matrix spike

MSD- matrix spike duplicate

RSD- relative standard deviation

(d) No abnormalities were observed during the performance of the analysis.

Enclosed are also the calibration curves for the samples. If additional information is required, do not hesitate to contact our laboratory.

**Enclosure** 

.5

.4529

-.0471

1

1.06657

.066569

.1

.106767

.006767

Known conc.: 0

Calc. conc.: 0.0000

Residual: 0.0000

4

4.00342

.003418

**PBFLAME** Element: Ph Wavelength: 217.00 Element 1 of 1 Method: Correlation Coefficient: .99908 () () Conc. Correlation: .999675 Abusens Coefficients ai = .05579Abs : .01778 Conc : .321168 a2 = -.601479a3 = .000436Fit Cubic ٥ Date: 30 May 95 11:46 5.00 0 Slape corr.: 1 Concentration STD.1 Standard: BlankSID STD1 SID.5 HighSID SIDZ Absorbance: 0.0000 .227598 .107537 .05835 .025004 .00594

1.97073

-.029266

Tue 05-30-95 01:24:36 PM page 3

	, de la companya della companya della companya de la companya della companya dell	#	Sample Name	Pb	
2 BEL-12477					
3 BEL-12477					
4 BEL-12477 5 BEL-12714 7 BEL-12613 1.89 8 BEL-12613 0.73 9 BEL-12613 0.073 9 BEL-12625 0.082 11 BEL-12625 1.390 11 BEL-12625 1.390 11 BEL-12625 1.391 13 BEL-12625 1.394 14 BEL-12625 1.394 15 BEL-12625 1.394 16 BEL-12625 1.39 17 BEL-12625 1.39 18 BEL-12626 10 B065 18 BEL-12626 10 B07 18 BEL-12628 0.078 19 BEL-12629 0.74 12 BEL-12630 0.07 12 BEL-12630 0.07 13 BEL-12631 0.061 14 BEL-12632 0.066 18 BEL-12632 0.07 19 BEL-12632 0.066 19 BEL-12632 0.07 10 BEL-12632 0.061 10 BEL-12632 0.061 10 BEL-12632 0.061 10 BEL-12632 0.061 10 BEL-12632 0.07 10 BEL-12633 0.084 10 BEL-12634 11 BEL-12635 10 BEL-12635 10 BEL-12637 11 BEL-12637 10 BEL-12					
5 BEL-12714					
6 BEL-12114042 7 BEL-12613 .189 8 BEL-12613010 10 BEL-12625 .390 11 BEL-12625 .289 12 BEL-12625 .571 13 BEL-12625 .344 14 BEL-12625 .344 14 BEL-12625 .344 15 BEL-12625 .344 18 BEL-12625 .344 18 BEL-12625 .356 16 BEL-12626 .009 17 BEL-12626 .0065 18 BEL-12626 .0065 18 BEL-12628 .078 19 BEL-12629 .074 21 BEL-12629 .074 22 BEL-12630 .018 23 BEL-12631 .0061 24 BEL-12632 .119 26 BEL-12632 .119 26 BEL-12632 .119 27 BEL-12632 .119 28 BEL-12632 .141 28 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12633 .038 31 BEL-12634 .199 34 BEL-12634 .199 35 BEL-12634 .199 36 BEL-12634 .199 37 BEL-12634 .199 38 BEL-12634 .199 39 BEL-12634 .199 30 BEL-12634 .199 30 BEL-12635 .015 30 BEL-12637 .030 44 BEL-12635 .015 45 BEL-12637 .312 46 BEL-12637 .312 47 BEL-12637 .312 48 BEL-12637 .312 49 BEL-12637 .312 49 BEL-12637 .319 50 BEL-12637 .319 51 BEL-12637 .319					
7 BEL-12613					
8 BEL-12613 -073 9 BEL-12613 -010 10 BEL-12625 .390 11 BEL-12625 .289 12 BEL-12625 .384 14 BEL-12625 .344 14 BEL-12625 .344 15 BEL-12625 .344 16 BEL-12625 .344 17 BEL-12625 .384 18 BEL-12625 .388 18 BEL-12625 .388 18 BEL-12625 .388 18 BEL-12626 .009 17 BEL-12626 .009 18 BEL-12628 .078 19 BEL-12629 .074 21 BEL-12629 .074 22 BEL-12630 .061 23 BEL-12631 .061 24 BEL-12632 .119 26 BEL-12632 .119 27 BEL-12632 .119 28 BEL-12632 .119 28 BEL-12632 .141 28 BEL-12632 .141 28 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12632 .084 31 BEL-12632 .084 31 BEL-12632 .084 31 BEL-12634 .187 32 BEL-12634 .187 33 BEL-12634 .187 33 BEL-12634 .187 34 BEL-12634 .187 35 BEL-12634 .188 41 BEL-12634 .187 38 BEL-12634 .187 38 BEL-12634 .187 38 BEL-12634 .187 38 BEL-12634 .188 41 BEL-12635 .086 42 BEL-12637 .312 43 BEL-12637 .312 44 BEL-12637 .312 45 BEL-12637 .312 46 BEL-12637 .312 47 BEL-12637 .319 48 BEL-12637 .329 49 BEL-12637 .319 48 BEL-12637 .319 48 BEL-12637 .319 48 BEL-12637 .319 48 BEL-12637 .319		6	BEL-12714		
9 BEL-12613010 10 BEL-12625 .390 11 BEL-12625 .289 12 BEL-12625 .571 13 BEL-12625 .344 14 BEL-12625 .334 14 BEL-12625 .334 15 BEL-12625 .334 16 BEL-12626 .009 17 BEL-12626 .009 18 BEL-12628 .078 19 BEL-12629 .067 20 BEL-12629 .067 21 BEL-12629 .067 22 BEL-12630018 23 BEL-12631 .061 24 BEL-12632 .119 26 BEL-12632 .119 26 BEL-12632 .119 27 BEL-12632 .119 28 BEL-12632 .096 29 BEL-12632 .096 20 BEL-12632 .084 31 BEL-12632 .0055 30 BEL-12632 .0055 30 BEL-12634 .181 31 BEL-12634 .199 31 BEL-12634 .199 31 BEL-12634 .199 31 BEL-12634 .187 36 BEL-12634 .187 37 BEL-12634 .187 38 BEL-12634 .187 38 BEL-12634 .187 38 BEL-12634 .187 38 BEL-12635 .086 42 BEL-12635 .086 42 BEL-12637 .086 43 BEL-12637 .030 44 BEL-12637 .312 45 BEL-12637 .312 46 BEL-12637 .312 47 BEL-12637 .312 48 BEL-12637 .322 49 BEL-12637 .322 49 BEL-12637 .319 51 BEL-12637 .319				. 189	
10 BEL-12625		8	BEL-12613	.073	
11 BEL-12625		9	BEL-12613	010	
12 BEL-12625		10	BEL-12625	.390	
13 BEL-12625		11	BEL-12625	. 289	
14 BEL-12625		12	BEL-12625	. 571	
15 BEL-12625		13	BEL-12625	. 344	
16 BEL-12626 .005 17 BEL-12626 .065 18 BEL-12628 .078 19 BEL-12629 .050 20 BEL-12629 .074 21 BEL-12629 .067 22 BEL-12630018 23 BEL-12631 .061 24 BEL-12632 .096 25 BEL-12632 .119 26 BEL-12632 .119 27 BEL-12632 .141 28 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12633 .038 31 BEL-12633 .038 31 BEL-12634 .199 34 BEL-12634 .199 35 BEL-12634 .187 36 BEL-12634 .187 37 BEL-12634 .187 38 BEL-12634 .199 39 BEL-12634 .199 30 BEL-12634 .194 31 BEL-12635 .086 41 BEL-12634 .194 41 BEL-12635 .086 42 BEL-12637 .312 45 BEL-12637 .312 46 BEL-12637 .312 47 BEL-12637 .312 48 BEL-12637 .312 48 BEL-12637 .322 49 BEL-12637 .312 48 BEL-12637 .322 48 BEL-12637 .322 49 BEL-12637 .322 49 BEL-12637 .322 49 BEL-12637 .329 48 BEL-12637 .339 59 BEL-12637 .339		14	BEL-12625	1.39	
17 BEL-12626		15	BEL-12625	58 <b>6</b>	
18 BEL-12628 .078 19 BEL-12629 .050 20 BEL-12629 .074 21 BEL-12630018 23 BEL-12631 .061 24 BEL-12632 .096 25 BEL-12632 .119 26 BEL-12632 .183 27 BEL-12632 .141 28 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12632 .084 31 BEL-12632 .084 31 BEL-12632 .084 31 BEL-12633 .038 33 BEL-12634 .199 34 REL-12634 .199 35 BEL-12634 .145 36 BEL-12634 .145 37 BEL-12634 .145 38 BEL-12634 .145 39 BEL-12634 .148 41 BEL-12635 .086 42 BEL-12637 .036 42 BEL-12637 .031 43 BEL-12637 .312 44 BEL-12637 .192 48 BEL-12637 .322		16	BEL-12626	.009	
19 BEL-12629 .050 20 BEL-12629 .074 21 BEL-12629 .067 22 BEL-12630018 23 BEL-12631 .061 24 BEL-12632 .096 25 BEL-12632 .119 26 BEL-12632 .141 28 BEL-12632 .1441 28 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12632 .055 30 BEL-12632 .084 31 BEL-12632 .084 31 BEL-12632 .083 33 BEL-12634 .199 34 BEL-12634 .199 34 BEL-12634 .187 36 BEL-12634 .145 37 BEL-12634 .145 38 BEL-12634 .145 37 BEL-12634 .154 38 BEL-12634 .145 37 BEL-12635 .086 48 BEL-12635 .086 49 BEL-12637 .312 40 BEL-12637 .312 41 BEL-12637 .312 42 BEL-12637 .322 43 BEL-12637 .322 44 BEL-12637 .329 45 BEL-12637 .329 46 BEL-12637 .329 47 BEL-12637 .329 48 BEL-12637 .329 50 BEL-12637 .329 51 BEL-12637 .329 52 BEL-12637 DUPL .037		17	BEL-12626	.065	
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21 BEL-12629		19	BEL-12629	.050	
22		20	BEL-12629	.074	`
23 BEL-12631		21	BEL-12629	.067	
24		22	BEL-12630	018	
25 BEL-12632		23	BEL-12631	.061	
26 BEL-12632		24	BEL-12632		
27 BEL-12632		25	BEL-12632		
28 BEL-12632 .055 30 BEL-12632 .084 31 BEL-12632 -135 32 BEL-12633 .038 33 BEL-12634 .199 34 NEL-12634 .187 36 BEL-12634 .145 37 BEL-12634 .145 38 BEL-12634 .154 38 BEL-12634 .128 40 BEL-12635 .086 42 BEL-12635 .086 42 BEL-12635 .015 43 BEL-12637 .757 46 BEL-12637 .312 45 BEL-12637 .392 48 BEL-12637 .392 48 BEL-12637 .392 49 BEL-12637 .300 50 BEL-12637 .795 51 BEL-12637 .030 52 BEL-12637 DUPL037		2 <b>6</b>	BEL-12632	.183	
29 BEL-12632		27	BEL-12632		
29 BEL-12632 .055 30 BEL-12632 .084 31 BEL-12632 .084 32 BEL-12633 .038 33 BEL-12634 .199 34 BEL-12634 .187 36 BEL-12634 .145 37 BEL-12634 .145 38 BEL-12634 .145 38 BEL-12634 .128 40 BEL-12634 .148 41 BEL-12635 .086 42 BEL-12635 .086 42 BEL-12637 .312 45 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637 .757 46 BEL-12637 .757 47 BEL-12637 .3192 48 BEL-12637 .322 48 BEL-12637 .322 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637 .79 51 BEL-12637 .300 52 BEL-12637 DUPL .037		28	BEL-12632		
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31 BEL-12632135 32 BEL-12633 .038 33 BEL-12634 .199 34 BEL-12634 .187 36 BEL-12634 .145 37 BEL-12634 .154 38 BEL-12634 .206 39 BEL-12634 .128 40 BEL-12635 .086 42 BEL-12635 .015 43 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637 .757 46 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637 .360 50 BEL-12637 .375 51 BEL-12637 .3030 52 BEL-12637 DUPL037					
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34 REL-12634 .187 35 BEL-12634 .187 36 REL-12634 .145 37 REL-12634 .154 38 REL-12634 .206 39 REL-12634 .128 40 REL-12635 .086 42 REL-12635 .015 43 REL-12635 .015 43 REL-12637 .312 45 REL-12637 .757 46 REL-12637 .757 46 REL-12637 .192 48 REL-12637 .322 49 REL-12637 .322 49 REL-12637 .360 50 REL-12637 .360 50 REL-12637 .379 51 REL-12637 .030 52 REL-12637 DUPL .037					
35 BEL-12634					
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38 BEL-12634 .206 39 BEL-12634 .128 40 BEL-12634 .148 41 BEL-12635 .086 42 BEL-12635 .015 43 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637 .757 46 BEL-12637 .192 48 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637 .300 51 BEL-12637 DUPL037		37	BEL-12634		
40 BEL-12634 .148 41 BEL-12635 .086 42 BEL-12635 .015 43 BEL-12636 .033 44 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637019 47 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637 .360 50 BEL-12637 .030 52 BEL-12637 DUPL .037		38	BEL-12634		
41 BEL-12635 .086 42 BEL-12635 .015 43 BEL-12636 .033 44 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637 .192 47 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637 .360 51 BEL-12637 .030 52 BEL-12637 DUPL037		39	BEL-12634		
41 BEL-12635 .086 42 BEL-12635 .015 43 BEL-12636 .033 44 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637 .019 47 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637 .360 51 BEL-12637 .030 52 BEL-12637 DUPL .037		40	BEL-12634		
43 BEL-12636 .033 44 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637 .192 47 BEL-12637 .322 48 BEL-12637 .360 50 BEL-12637 .360 50 BEL-12637 .179 51 BEL-12637 .030 52 BEL-12637 DUPL .037		41	BEL-12635		
44 BEL-12637 .312 45 BEL-12637 .757 46 BEL-12637019 47 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637179 51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBEO01873		42	BEL-12635	.015	
45 BEL-12637 .757 46 BEL-12637019 47 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637179 51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBEO01873		43	BEL-12636		
46 BEL-12637019 47 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637179 51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBEO01873		44	BEL-12637	.312	
47 BEL-12637 .192 48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637179 51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBEO01873		45	BEL-12637	.757	
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48 BEL-12637 .322 49 BEL-12637 .360 50 BEL-12637179 51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBEO01873					
49 BEL-12637 .360 50 BEL-12637179 51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBEO01873		48			
50 BEL-12637179 51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBEO01873					
51 BEL-12637 .030 52 BEL-12637 DUPL037 GE CARIBE001873					
52 BEL-12637 DUPL037 GE CARIBEO01873		51	BEL-12637		
53 BEL-12637 SPK 4 PPM 3.60					GE CARIBEO01873
		53	BEL-12637 SPK 4 PPM	3.60	50,52001070

Calibration

Report

Thu 05-25-95 05:19:48 PM

page 1

Method: PBFLAME Navelength: 217.0 Element 1 of 1 Element: Pb Correlation Coefficient: .394716 Coefficients Absorbance a1 = .035048a2 = -.007749Abs : .010497 Conc : .321168 502100. = 05

Fit Dubic

Date: 25 May 95 17:18 5.0 & .pe corr.: 1 Concentration STD.1 Standard: BlankSTD HigisTD 1102 STD.5 STD1 Absorbance: 0.0000 .000200 .049235 .828699 .814839 .884582 .5 Known conc.: 0 .1 Calc. conc.: 0.0000 3.99664 2.02633 1,00846 ,440587 .134687 Residual: 0.0000 -.003357 .62633 .008455 -.059413 .034687

sis Report

Summary

Thu 05-25-95 07:49:32 PM

page 1

#	Sample Nar	ne		File	Method	Date	Time	OpID	Туре	Mode
-										
	BEL-13633			ANADATA	PBFLAME	05/25/95	13:50		S	CONC
	BEL-12622			ANADATA	PBFLAME	05/25/95	13:51		S	CONC
	BEL-13633			ANADATA	PBFLAME	05/25/95	13:53		S	CONC
	BEL-12622			ANADATA	PBFLAME	05/25/95	13:55		S	CONC
	BEL-12622	SPK 2	PPM	ANADATA	PBFLAME	05/25/95	13:56		S	CONC
	BEL-12247			ANADATA	PBFLAME	05/25/95	14:01		S	CONC
7	BEL-12247			ANADATA	PBFLAME	05/25/95	14:02		S	CONC
8	BEL-12247			ANADATA	PBFLAME	05/25/95	14:05		S	CONC
	BEL-12247			ANADATA	PBFLAME	05/25/95	14:09		S	CONC
	BEL-12247	SPK 4	PPM	ANADATA	PBFLAME	05/25/95	14:11		S	CONC
	BEL-12405			ANADATA	PBFLAME	05/25/95	17:46		ន	CONC
	BEL-12406			ANADATA	PBFLAME	05/25/95	17:46		S	CONC
	BEL-12407			ANADATA	PBFLAME	05/25/95	17:48		S	CONC
	BEL-12408			ANADATA	PBFLAME	05/25/95	17:48		S	CONC
	BEL-12460			ANADATA	PBFLAME	05/25/95	17:50		S	CONC
	BEL-12460			ANADATA	PBFLAME	05/25/95	17:51		S	CONC
	BEL-12460			ANADATA	PBFLAME	05/25/95	17:51		ន	CONC
	BEL-12460			ANADATA	PBFLAME	05/25/95	17:52		S	CONC
	BEL-12460			ANADATA	PBFLAME	05/25/95	17:53		S	CONC
	BEL-12460			ANADATA	PBFLAME	05/25/95	17:54		S	CONC
	BEL-12460	F. 7 15. 7		ANADATA	PBFLAME	05/25/95	17:55		S	CONC
	BEL-12460		DEM	ANADATA	PBFLAME	05/25/95	17:55		S	CONC
	BEL-12460			ANADATA	PBFLAME	05/25/95	17:58		S	CONC
	BEL-12460	SPK 8	PPM	ANADATA	PBFLAME	05/25/95	17:58		S	CONC
	BEL-12485			ANADATA	PBFLAME	05/25/95	18:00		S	CONC
	BEL-12487			ANADATA	PBFLAME	05/25/95	18:01		S	CONC
27	BEL-12487	EVE LEVE		ANADATA	PBFLAME	05/25/95	18:01		S	CONC
28	BEL-12487		T.D.M.	ANADATA	PBFLAME	05/25/95	18:02		S	CONC
29	BEL-12487				PBFLAME	05/25/95	18:03		S	CONC
30	BEL-12487	SPK 4	PPM\	ANADATA	PBFLAME	05/25/95	18:04		S	CONC
	BEL-12489 BEL-12489			ANADATA	PBFLAME	05/25/95	18:06		S	CONC
	BEL-12489			ANADATA	PBFLAME	05/25/95 05/25/95	18:07 18:08		S S	CONC
	BEL-12501			ANADATA ANADATA	PBFLAME PBFLAME	05/25/95	18:08			CONC
							18:09		S	CONC
	BEL-12501 BEL-12501			ANADATA	PBFLAME PBFLAME	05/25/95			S	CONC
	BEL-12548			ANADATA ANADATA		05/25/95	18:10		S	CONC
37	BEL-12540				PBFLAME	05/25/95	18:11 18:12		S	CONC
38 39	BEL-12550			ANADATA ANADATA	PBFLAME PBFLAME	05/25/95 05/25/95	18:13		s s	CONC
	BEL-12563			ANADATA		05/25/95	18:13		S S	CONC
41	BEL-12579				PBFLAME PBFLAME	05/25/95	18:20		S S	CONC
	BEL-12579			ANADATA ANADATA	PBFLAME	05/25/95	18:21		S S	CONC
43	BEL-12585			ANADATA	PBFLAME	05/25/95	18:22		S S	CONC
44	BEL-12586			ANADATA	PBFLAME	05/25/95	18:23		S	CONC
45	BEL-12611			ANADATA	PBFLAME	05/25/95	18:25		S	CONC
46	BEL-12604			ANADATA	PBFLAME	05/25/95	18:26		s S	CONC
47	BEL-12604			ANADATA	PBFLAME	05/25/95	18:26		ន ទ	CONC
48	BEL-12604			ANADATA	PBFLAME	05/25/95	18:27		S	CONC
49	BEL-12607			ANADATA	PBFLAME	05/25/95	18:28		S	CONC
0	BEL-12608			ANADATA	PBFLAME	05/25/95	18:29		S	CONC
51	BEL-12609			ANADATA	PBFLAME	05/25/95	18:30		S	CONC
52	BEL-12610			ANADATA	PBFLAME	05/25/95	18:31		S	CONC
	BEL-12625	)		ANADATA	PBFLAME	05/25/95	18:56		ន	CONC
	Vo.194									

#	Sample Na	me		Pb		
				45.6.4	 	
	BEL-12622	EILID		.062		
	BEL-12622		Fi Ti M	.025		
	BEL-12622			1.56		
	BEL-12622 BEL-12622			1.86		
	BEL-12247	OFK Z	E E E1	1.87 3.75		
	BEL-12247			3.31		
	BEL-12247			3.67		
	BEL-12247			3.76		
	BEL-12247	SPK 4	PPM	8.02		
	BEL-12405	DIK 4	1 1 1 1	.032		
	BEL-12406			.049	. 1	. ^
	BEL-12407			.065	La DR 3.66	63
	BEL-12408			100.	Sample	
	BEL-12460			.771	Dua Franta - a	56
	BEL-12460			.451	Dup reque	
	BEL-12460			.705	/	
	BEL-12460			.622		<b>)</b> **
	BEL-12460			.684	Sample > . 66 Duplicate > . 66 8.67656 x1	01
	BEL-12460-			.663	8.67-656 X1	00 = 100 10
21	BEL-12460		,	,669	(1)	
12	BEL-12460	DUPL-		656		
23	BEL-12460	SPK 8	PPM_	8.18		
24	BEL-12460	SPK 8	PPM 🚣	8.67		
25	BEL-12485		ŕ	015		
26	BEL-12487			.224		
	BEL-12487			008		
	BEL-12487			048		
	BEL-12487			3.00		
	BEL-12487	SPK 4	PPM\	3.90		
	BEL-12489			.230		
	BEL-12489			.205		
	BEL-12489			.152		
	BEL-12501			.131		
	BEL-12501			.163		
	BEL-12501			004		
	BEL-12548 BEL-12550			.041		
	BEL-12550			.143		
	BEL-12563			1.29		
	BEL-12579			.091		
	BEL-12579			.051		
	BEL-12585			044		
	BEL-12586			.059		
	BEL-12611			.052		
6	BEL-12604			.125		
7	EL-12604			.006		
9	∠EL-12606			.026		
-	BEL-12607	ar S		.079		OF CADIDE004070
	BEL-12608	Û		.029		GE_CARIBE001876
	BEL-12609			.036		
	BEL-19610			197		

Luyes

Method: PBFLAME

Element: Ph

Wavelength: 217.00

Element 1 of 1

Correlation Coefficient: Conc. Correlation:

.999101

.999847

Coefficients

ai = .049741

Abs : .016704

a2 = .007546

Comc : .321168

a3 = -.001514

Fit Cubic

Date: 6 Jun 95 10:34

Slave corr.: 1

Standard: BlankSID HighSID Absorbance: 0.0000

Known conc.: 0

Calc. conc.: 0.0000

Residual: 0.0000

.222973

4.00365

.00365

STDZ

Ü

Ü (ii)

Attornation of the state of the

.116436

1.9818

-.018201

SIDI

.058398

1,04339 .043391

.46416 -.03584

.024564

Concentration

SID.5

.5

SID.1 .005416

5.00

.1 .107139

.007139

CAL TRRATION

REPORT

1000

THE N6-N6-95 10.34.46 AM

PAGE 1

ANALYSIS REPORT SUMMARY

TUE 06-06-95 01:42:47 PM PAGE 1

#	SAMPLE NAME	FILE	METHOD	DATE	TIME	OPID	Түре	MODE
1234567890112345678901234567890123456	BEL-12619 BEL-12777 BEL-12705 BEL-12705 BEL-12693 BEL-12693 BEL-12695 BEL-12695 BEL-12703 BEL-12762 BEL-12763	ANADATA ANADATA ANADATA ANADATA ANADATA ANADATA ANADATA ANADATTA ANADATA	PBFLAME PBFLAME	06/06/95 06/06/95	12121211111111111111111111111111111111	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

GE\_CARIBE001878

# BECKTON ENVIRONMENTAL LABORATORIES, INC. August 14, 1995

ANALYSIS RESULTS

Lab Name: Beckton Environmental Laboratories

Contract: G.E. Fab. (Juana Díaz)

Att.: Mrs. Nancy Texeira

Project:

Matrix: Solid

Sample wt/vol: 10.0/100 (g/mL) g/mL

Lab. File ID: 12478TOX

Sampled by: A. Vera

SAMPLE I.D

DESCRIPTION

SAMPLING DATE

ANALYSIS DATE

BEL-12478

Molding Conpound

05/11/95

08/11/95

SAMPLE ID

SAMPLE TYPE

UNITS

RESULT

DETECTION

LIMIT

Total Organic Halogen ( TOX SW-846 9020A)

BEL-12478

Grab

mg/kg

1,500

85

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Lcdo Rafael Infante Laboratory Director

Chemist License 1888\*

Rafael Infante Méndez Ic.#1888



March 21, 1995

### ANALYSIS REPORT

SAMPLE IDENTIFICATION: Compreccion Hole

G.E., Juana Díaz

Att.: Mrs. N. Texeira

Lab Name: Beckton Environmental Laboratories

Sampler: A. Vera

Matrix: Sludge/Soil

Lab. sample ID:

BEL-11515

Sample wt/vol: 150/25.0(g/mL)

Lab. File ID: 11515TCL

Column: (pack/cap)

capillary

Date Received: 03/03/95

Date Extracted: 03/06/95(V, SV, P & H)

Date Analyzed:

03/07/95 (V) 03/08/95 (H) 03/08/95 (P) 03/08/95 (SV)

# MAXIMUN CONCENTRATION OF CONTAMINANTS FOR CHARACTERISTIC OF TCLP TOXICITY

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	RESULTS ( mg/L)	DETECTION LIMIT ( mg/L)	REGULATORY LEVEL ( mg/L)
				( - 0, -,
	METALS (SW 6000/7000)			
0004	Arsenic	N.D.	0.005	5.0
0005	Barium	0.406	0.30	100.0
0006	Cadmium	N.D.	0.01	1.0
0007	Chromium	N.D.	0.05	5.0
8008	Lead	N.D.	0.10	5.0
009	Mercury	N.D.	0.0005	0.2
010	Selenium	N.D.	0.005	1.0
011	Silver	N.D.	0.020	5.0
	PESTICIDES (SW 8080)			
0020	Ch1ordane	N.D.	0.002	0.03
012	Endrin	N.D.	0.002	0.02
031	Heptachlor (and its OH)	N.D.	0.0005	0.008
013	Lindane	N.D.	0.004	0.4
014	Methoxychlor	N.D.	0.010	10.0
0015	Toxaphene	N.D.	0.025	0.5

N.D.- not detected



Analysis Report Page -3-

SAMPLE IDENTIFICATION: BEL-11515

### HAZARDOUS CHARACTERISTICS

IGNIGTABILITY: Hazardous Waste Number D 001

The sample does NOT exhibit the characteristic of ignigitability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Flash point > 140oF

CORROSITIVITY: Hazardous Wastes Number D 002

The sample does not exhibit the characteristic of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

The pH of the sample was 7.98 S.U. @ 129C.

REACTIVITY: Hazardous Wastes Number D 003

Sample does not exhibit the characteristics of reactivity according to U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes".

Sulfide < 10 ppm (500 ppm limit) Cyanide < 10 ppm (250 ppm limit)

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee.

Méndez LIC. #1888 A 350468

Rafael Infante

Lcd. Rafael Infante Laboratory Director

Chemist License No. 1888

# •••BECKTON ENVIRONMENTAL LABORATORIES, INC.

192 VILLA STREET PONCE, PR 00731 TEL. (809) 841-7373 FAX (809) 841-7313

REVISION 1994

### CHAIN OF CUSTODY RECORD

PROJECT COMPANY	H.E.	2	SAMPL	ER A.V	É RA	
SAMPLE COM LOCATION/ CCIC CLIENT ID HO!		Taip Blank			PURCHASE ORDER NUMBER	
R	95 3-3-95	1		,		•
	P.M. ):40P.M	I				
BEL NO. 1/5	15 11516	11517				
Acidity Alkalinity Ammonia as N Bicarbonate BOD-5 Bromide Chloride Chloride Chlorine, Res. COD Color Conductivity Cyanide Dissolved Oxygen Fluoride Hardness Iodine Moisture % Nitrate Nitrate Nitrate+Nitrite Oil+Grease pH Phenol Phosphate, Ortho Phosphorus, Total Sett. Solids mg/L Solids, Total Sulfate Sulfide Sulfide Sulfite Surfactant TDS TSS Temperature TKN TOC Turbidity Asbestos in air					Relinquished by:  Date Time: 3.  Received by:  Date / Time: 3.6	15 P.M. 9 2 2 3 - 9 5 15 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Comments:				v.	combosite= xx( )	

				• *		* *	ta tali. Marianti		
BEL NO.	•								
<u>METALS</u>				:			Security and secur		
Aluminum Cadmium Chromium Copper Iron Lead Manganese Mercury Nickel Selenium Silver Tin Zinc Arsenic Barium Boron Antimony Beryllium Bismuth Calcium Chromium, hex Cobalt Magnesium Molybdenum Potassium Silicon Sodium Strontium Thallium Titanium Vanadium	(A1) (Cd) (Ct) (Cu) (Fe) (Mn) (Hg) (Mi) (Se) (Ag) (Sn) ((Sh) (Sb) (Ba) (Bi) (Ca) (Co) (Mg) (Ho) (Ki) (Si) (Ti) (V)			) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )					
Ignitability(Fla Corrosivity Reactivity (CN & TCLP Metals Organics-Pest Organics-BNA Organics-VOA Benzene	sh Pt.) S)	( X ) ( X ) ( X ) ( X ) ( X ) ( X ) ( X )		) ) ) ) ) )	; {	)	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	) ) ) ) ) )	
SPECIFIC ORGANIC	<u>s</u>								
Volatiles Semi-Volatiles ( Pesticides/PCB PCB Only Herbicides TPH/Diesel (TPH/ BTEX TTO TTO & Dioxin OTHER (Define)	·	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		) ) ) ) ) )	(	)	( ( ( ( ( (	) ) ) ) ) )	( ) ( ) ( ) ( ) ( ) ( ) ( )
MICROBIOLOGY									
Fecal Coliform Total Coliform		( )	(	<b>)</b>	(	)	(	)	( )

Franklin Line

# GE LIGHTING WASTE ANALYSIS PLAN PROFILE

Material Identification Capper Sulfate Sla: I.D. Number JD HW 09
Process Generating Material Electrofleting frozess
Is this material a Solid Waste? <u>(Jes)</u> If not, provide information and rationale used in making that determination, including state and /or federal regulatory citations.
Is the Solid Waste also a Hazardous Waste? If not, provide information and rationale used in making that determination, including state and /or federal regulatory citations.
If the waste is listed in 40 CFR 261.31 (F wastes) note constituents and waste code:
If the waste is listed in 40 CFR 261.32 (K wastes) note process:  If the waste is listed in 40 CFR 261.33(e) (P wastes) contact Lighting RCRA  Specialist prior to any disposal activities:  If the waste is listed in 40 CFR 261.33(f) (U wastes) note the commercial chemical product name and waste code:
Do you possess the "generator knowledge" to determine that the waste is not Characteristically Hazardous at a 95 % confidence level?
If no, what analytical information and therefore sample types will be required?  Ignitability? Corrosivity? Reactivity?  Toxicity: Metals? Pesticides / Herbicides ?  Semi-volatile organics? Volatile organics?  Land Disposal Restriction requirements ? Free liquids?  Can you collect a representative sample of the waste? If not, a consultant
laboratory must be contracted to sample as well as to analyze the waste.

## GE LIGHTING WASTE ANALYSIS PLAN PROFILE (continued)

Material Identification	I.D. Number
Date sampled Sample	ed by
What type of sample are you collect	ing: Sample source?
containers,	volume
samping requercy,	composite / grab
Sample Identification (name / lab co	ode)
Attach laboratory data sheets to this	s WAPP.
Waste code determinations:	
Listed waste codes	
Characteristic waste codes	
LDR waste codes	
Underlying Hazardous Const	tituents :
Reportable Quantity	Constituent
Emergency response requirements:	
	nt
Other	
Waste Minimization opportunities :	

## GE LIGHTING WASTE ANALYSIS PLAN PROFILE

Material Identification <u>eleoner</u> I.D. Number <u>JD HW02</u>
Process Generating Material Parks Cleaning in tool  Norm and mulding
Is this material a Solid Waste? If not, provide information and rationale used in making that determination, including state and /or federal regulatory citations.
Is the Solid Waste also a Hazardous Waste? Yw If not, provide information and rationale used in making that determination, including state and /or federal regulatory citations.
If the waste is listed in 40 CFR 261.31 (F wastes) note constituents and waste code:
If the waste is listed in 40 CFR 261.32 (K wastes) note process:
If the waste is listed in 40 CFR 261.33(e) (P wastes) contact Lighting RCRA
Considire prior to any disposal activities.
If the waste is listed in 40 CFR 261.33(f) (U wastes) note the commercial chemical product name and waste code:
Do you possess the "generator knowledge" to determine that the waste is not Characteristically Hazardous at a 95 % confidence level?  If yes, provide information and rationale
If no, what analytical information and therefore sample types will be required?  Ignitability? Reactivity? Reactivity?
Toxicity: Metals? Pesticides / Herbicides ?
Semi-volatile organics? Volatile organics?
Land Disposal Restriction requirements? Free liquids?
Can you collect a representative sample of the waste? for If not, a consultant laboratory must be contracted to sample as well as to analyze the waste.

# GE LIGHTING WASTE ANALYSIS PLAN PROFILE (continued)

Material Identification <u>cleaner</u> I.D. Number JOHWO 2
Date sampled Sampled by
What type of sample are you collecting: Sample source?
containers, volume
containers, volume sampling frequency, composite / grab
Other sampling information
I aboratory analyzing sample
Laboratory analyzing sample
Sample Identification (name / lab code)
Attach laboratory data sheets to this WAPP.
Waste code determinations:
Listed waste codes
Characteristic waste codes <u>bool, bols, bos 9</u>
LDR waste codes
LDR waste codes
Proper Shipping Name Waste combustible liquid, N.O.S. (mineral Spirits), NH 1993, PC-TIL, (EPA Door, DOIR, DO39)
Reportable Quantity Constituent
Emergency response requirements:  Personal protective equipment <u>Rubber gloves</u> , <u>goggles</u>
Other
Waste Minimization opportunities: Yes, Change, this cleaner hazarbour for other is no Lagardous.

# **ECWS - CARIBE**

Eastern Chemical Waste Systems - Caribe, Inc.

Corporate Office: 1010 Wayne Avenue Eighth Floor Silver Spring, MD 20910 fax: (301) 650-2452 (301) 650-2440



Caribbean Regional Office: P.O. Box 299 Barceloneta, PR 00617-0299 fax: (809) 846-7322 (809) 846-7303

¢E\_CARIBE001888

### TELECOMMUNICATION COVER SHEET

FROM CORPORATE OFFICE, SILVER SPRING, MARYLAND

DATE OF TRANSMISSION:	6-28-93
RECEIVER'S NAME:_	Stephan Brown
RECEIVER'S COMPANY:_	Carpe GE Products, Inc.
RECEIVER'S ADDRESS:_	Juanumaz, PR. 00665
RECEIVER'S FAX NUMBER:	809-837-3530
TOTAL NUMBER OF PAGES:	) (inclusive of this cover sheet)
OUR FAX NUMBER:	(301) 650-2452
NAME OF SENDER:	Mya.
WE ARE TRANSMITTING FROM:	ECWS CARIBE, INC.
SENDER'S TELEPHONE NUMBER:	(301) 650-2440 & (800) 654-9967
SPECIAL INSTRUCTIONS:	Suphan,
ta-vice.	envo el anauxis del
	Fort Electroplating Studge.
$\mathcal{C}$	uniquer usu que necurelon no
di	uder en numar
	; l'évame la torsonza!
	Dima

ENCYCLE / TEXAS INC. 5500 UP RIVER ROAD · (512)289-0300 P.O. BOX 4767 · CORPUS CHRISTI, TEXAS 78469

WASTE IDENTIFICATION-BILLING: EASTERN CHEM. WASTE SYS. GENERATOR: CARIBE GENERAL WASTE DESC: ELECTROPLATING SLG

CURRENT UNIT: 6.00 BAGS

LABORATORY ANALYSIS REPORT

Lab CC 01489-90 LOAD 4930 Date Rec'd 12-23-92

SALESMAN: TONY WOOD SAMPLE TYPE: SOLID COMPLETED: 12-30-92

	Α	N	Д	Ľ	Υ	S	Ι	S		-	-
--	---	---	---	---	---	---	---	---	--	---	---

PARAMETER	RESULTS (%)
ALUMINUM (Al)	2.42
ARSENIC (As)	<0.10
BARIUM (Ba)	<0.10
CADMIUM (Cd)	<0.10
CHROMIUM (Cr)	10.37
COPPER (Cu)	3.15
IRON (Fe)	2.70
MANGANESE (Mn)	<0.10
NICKEL (Ni)	1.35
LEAD (Pb)	<0.10
SELENIUM (Se)	<0.10
TIN (Sn)	2.02
ZINC (Zn)	25.20
CALCIUM (Ca)	3.51
MAGNESIUM (Mg)	0.19
SODIUM (Na)	1.08
MOISTURE % H2O	75.89
SPECIFIC GRAVITY	NA
TOTAL CYANIDE (CN) ppm	NA.
BNP = Believed Not Present ND = Not Detected ND = Not Detected	TA CANG

NA = Not Analyzed

dldf4-acomow

SHIPMENT SAMPLE

ENCYCLE / TEXAS, INC. 5500 UP RIVER ROAD . (512)289-0300 P.O. BOX 4767 · CORPUS CHRISTI, TEXAS 78469

BILLING: EASTERN CHEM. WASTE SXS. GENERATOR: CARIBE GENERAL WASTE DESC: ELECTROPLATING SLG

CURRENT UNIT: 4.00 BAGS

LABORATORY ANALYSIS REPORT

Lab CC 01489-90 LOAD 4321 Date Rec'd 09-04-92

SALESMAN: TONY WOOD SAMPLE TYPE: SOLID COMPLETED: 09~10-92

ANALYSIS
----------

PARAMETER	RESULTS (%)
ALUMINUM (Al)	4.04
ARSENIC (As)	<0.10
BARIUM (Ba)	<0.10
CADMIUM (Cd)	<0.10
CHROMIUM (Cr)	5.53
COPPER (Cu)	1.74
IRON (Fe)	1.87
MANGANESE (Mn)	<0.10
NICKEL (Ni)	<0.10
LEAD (Pb)	<0.10
SELENIUM (Se)	<0.10
TIN (Sn)	1.79
ZINC (Zn)	20.40
CALCIUM (Ca)	2.31
MAGNESIUM (Mg)	0.28
SODIUM (Na)	0.79
MOISTURE % H2O	77.88
SPECIFIC GRAVITY	AN
TOTAL CYANIDE (CN) ppm	АИ

BNP = Believed Not Present ND = Not Detected NA = Not Analyzed

ENCYCLE / TEXAS, INC. 5500 UP RIVER ROAD · (512)289+0300 P.O. BOX 4767 · CORPUS CHRISTI, TEXAS 78469

Lab CC 01489-90 LOAD 3862 Date Rec'd 06-05-92

LABORATORY ANALYSIS REPORT

SALESMAN: TONY WOOD SAMPLE TYPE: SOLID COMPLETED: 06-09-92

WASTE IDENTIFICATION-BILLING: EASTERN CHEM. WASTE SYS. GENERATOR: CARIBE GENERAL WASTE DESC: ELECTROPLATING SLG

CURRENT UNIT: 4.00 BAGS

# -- ANALYSIS --

PARAMETER	RESULTS (%)
ALUMINUM (Al)	6.42
ARSENIC (As)	<0.10
BARIUM (Ba)	<0.10
CADMIUM (Cd)	<0.10
CHROMIUM (Cr)	2.72
COPPER (Cu)	Q.94
IRON (Fe)	2.32
MANGANESE (Mn)	<0.10
NICKEL (Ni)	o.37
LEAD (Pb)	<0.10
SELENIUM (Se)	<0.10
TIN (Sn)	1.75
ZINC (Zn)	8.96
CALCIUM (Ca)	2.29
MAGNESIUM (Mg)	0.29
SODIUM (Na)	0.77
MOISTURE & H2O	70 <b>.6</b> 9
SPECIFIC GRAVITY	NA
TOTAL CYANIDE (CN) ppm	АИ
å 4 · · ·	
BNP = Believed Not Present ND = Not Detected	

NA = Not Analyzed

LABORATORY ANALYSIS REPORT

ENCYCLE / TEXAS, INC. 5500 UP RIVER ROAD · (512)289-0300 P.O. BOX 4767 · CORPUS CHRISTI, TEXAS 78469

Lab CC 01489-90 LOAD 3457 Date Rec'd 03-19-92

WASTE IDENTIFICATION-BILLING: EASTERN CHEM. WASTE SYS. GENERATOR: CARIBE GENERAL WASTE DESC: ELECTROPLATING SLG

SALESMAN: TONY WOOD SAMPLE TYPE: SOLID COMPLETED: 03-25-92

CURRENT UNIT: 4.00 BAGS

# -- ANALYSIS --

PARAMETER	RESULTS (%)
ALUMINUM (Al)	6.39
ARSENIC (As)	<0.10
BARIUM (Ba)	<0.10
CADMIUM (Cd)	<0.10
CHROMIUM (Cr)	1.80
COPPER (Cu)	1.08
IRON (Fe)	2.42
MANGANESE (Mn)	<0.10
NICKEL (Ni)	0.14
LEAD (Pb)	<0.10
SELENIUM (Se)	<0.10
TIN (Sn)	0.21
ZINC (Zn)	21.19
CALCIUM (Ca)	1.98
MAGNESIUM (Mg)	0.43
SODIUM (Na)	0.28
MOISTURE % H2O	85.05
SPECIFIC GRAVITY	NA
TOTAL CYANIDE (CN) ppm	NA
4 E -	
BNP = Believed Not Present ND = Not Detected NA = Not Analyzed	REVIEWED BY:



E N C Y C L E / T E X A S, I N C, 5500 UP RIVER ROAD · (512)289-0300 P.O. BOX 4767 · CORPUS CHRISTI, TEXAS 78469

WASTE IDENTIFICATION BILLING: EASTERN CHEM. WASTE SYS. GENERATOR: CARIBE GENERAL WASTE DESC: ELECTROPLATING SLG LABORATORY ANALYSIS REPORT

Lab CC 01489-90 LOAD 5621 Date Rec'd 04-21-93

SALESMAN: TONY WOOD SAMPLE TYPE: SOLID COMPLETED: 04-26-93

CURRENT UNIT: 4.00 BAGS

# -- ANALYSIS --

PARAMETER	RESULTS (%)
ALUMINUM (Al)	2.83
ARSENIC (As)	<0.10
BARIUM (Ba)	<0.10
CADMIUM (Cd)	<0.10
CHROMIUM (Cr)	12.25
COPPER (Cu)	3.98
IRON (Fe)	2.44
MANGANESE (Mn)	<0.10
NICKEL (Ni)	0.19
LEAD (Pb)	<0.10
SELENIUM (Se)	<0.10
TIN (Sn)	1.00
ZINC (2n)	11.06
CALCIUM (Ca)	2.42
MAGNESIUM (Mg)	0.26
SODIUM (Na)	0.41
MOISTURE & H20	63.21
SPECIFIC GRAVITY	NA
TOTAL CYANIDE (CN) ppm	NA
BNP = Believed Not Present ND = Not Detected NA = Not Analyzed REV	TEWED BY:

NA = Not Analyzed

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Do northe un and a property of an appearance of appeara
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## GE LIGHTING WASTE ANALYSIS PLAN PROFILE

Material Identification electrofleting sludy I.D. Number J & HWO!
Process Generating Material electrofleting process and
Process Generating Material electroflation process and Waste Water treatment pool for this f
Is this material a Solid Waste? <u>fee</u> If not, provide information and rationale used in making that determination, including state and for federal regulatory citations.
Is the Solid Waste also a Hazardous Waste? Yes If not, provide information and rationale used in making that determination, including state and /or
federal regulatory citations.  analysis repark
If the waste is listed in 40 CFR 261.31 (F wastes) note constituents and waste code:  Chromium
If the waste is listed in 40 CFR 261.32 (K wastes) note process: _N /4
If the waste is listed in 40 CFR 261.33(e) (P wastes) contact Lighting RCRA
Specialist prior to any disposal activities: W/12
If the waste is listed in 40 CFR 261.33(f) (U wastes) note the commercial chemical product name and waste code:
Do you possess the "generator knowledge" to determine that the waste is not
Characteristically Hazardous at a 95 % confidence level?
If yes, provide information and rationale onlyses highest
If no, what analytical information and therefore sample types will be required?  Ignitability? Corrosivity? Reactivity?
Toxicity: Metals? Pesticides / Herbicides ?
Semi-volatile organics? Volatile organics?
Land Disposal Restriction requirements? Free liquids?
Can you collect a representative sample of the waste? yes If not, a consultant laboratory must be contracted to sample as well as to hnalyze the waste.

# GE LIGHTING WASTE ANALYSIS PLAN PROFILE (continued)

Material Identification electrophetical study I.D. Number JA HWO!
Date sampled 12/30/92 Sampled by Easyele, Jelas.
What type of sample are you collecting: Sample source?
containers, volume, volume, composite / grab
Other sampling information
Laboratory analyzing sample  Sample Identification (name / lab code)
Sample Identification (name / lab code) electroplating sludge 0/489-90
Attach laboratory data sheets to this WAPP.
Waste code determinations:
Listed waste codes
Characteristic waste codes Foob
LDR waste codes
Underlying Hazardous Constituents
Proper Shipping Name RoHazardous waste, solid; N.O.S.
Proper Shipping Name RoHazardous waste, solid; N.O.S. (alumiaum sulfate, metal hydroxides), 9, NA 3077, PCIL, (FOO6)
Reportable Quantity 10# Constituent Chromium
Emergency response requirements:  Personal protective equipment Rubber 9 loves, gaggles
Other
Waste Minimization opportunities :

# CHAIN OF CUSTODY RECORD

PROJECT NO. COMPANY					and Charling Twees Ding					SAMPLER . Markey 1-2				
SAMPLE LOCATION	N/CLIENT II	D		102-	7 1	Š	1		TIME	12:17,00	CONTROL NO.			
SAMPLE DATE			100 mm 1	× /2/	63			BEL. NO.		22322				
1. General Environ	nental:							w. W			1983 - 1889 1977 1987 - 1889 1987			
Acidity	( )			Alkalinity Bicarbonate		(	) }	Relinquish	ea by:	l.				
Ammonia as N BOD-5	( )			Bromide		(				No.	The second of th			
Chloride	( )			Chlorine, Res.		1	) }							
COD	\ \ \ \			Color (ADMI)		ì	) }	Date/Time		7	age to a large to			
Conductivity	7 3			Color (Pt-Co)		ì	j.			***				
Dissolved Oxygen	73			Cyanide		ì	)	Received b	y:					
Hardness	( )			Fluoride		(	Ś	1		11				
Moisture %	( )			Iodine		(	)		et from floor					
Nitrite	( )	4.48(00)		Nitrate	4.79,00.038	(	)		, ,					
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time	12/2/9		' <i>11</i> 3"			
Phenol	( )			pН		(	) <b>.</b>							
Phosphorus, Total	( )			Phosphate, Ortho		(	)	Relinquish	ed by:					
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)							
Sulfate	( )			Solids, Total		(	)				<u> </u>			
Sulfite	( )			Sulfide		(	)	Date/Time						
TDS Temperature	( )			Surfactant TSS		(	)	Date/Time		2,000,000				
TOC	( )			TKN		1	)	Received l	v.	anarati 111 J.				
Asbestos in air	( )			Turbidity	Articles :	(	<i>)</i> }			er braze				
2. Metals							i ale controle. Passa Assesa	<u></u>		7,000				
Aluminum	(Al)	1	١	Cadmium	(Cd)	- (	)	Date/Time	:					
Chromium	(Cr)	(	ý	Copper	(Cu)	ì	)							
Iron	(Fe)	ì	)	Lead	(Pb)	ì	Ś			THE COME STREET				
Manganese	(Mn)	ì	<b>`</b> )	Mercury	(Hg)	(	)	Matrix:						
Nickel	(Ni)	(	)	Selenium	(Se)	(	)		air (	)				
Silver	(Ag)	(	)	Tin	(Sn)	(	)		water (	)				
Zinc	(Zn)	(	)	Arsenic	(As)	( -	)		sludge (	)				
Barium	(Ba)	(	)"	Boron	(B)	(	)		soil (	)				
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)		solid (	)				
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)		oil (	)				
Chromium, VI	(CrVI)	(	()	Cobalt	(Co)	(	)		mixed ( other (	) Specify:	1			
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)		omei (*	) specify	<del>/                                    </del>			
Potassium	(K)	ζ,	)	Silicon	(Si)	(	1							
Sodium Thallium	(Na) (Tl)		) )	Strontium Titanium	(Sr) (Ti)	(	)	Turnaroui	nd time:	1				
Vanadium	(V)	(		1 (canton)	(11)	``	100		- 74,4(30,70%)					
100 CONTRACTOR		`		an term despective					1 day 🕟 (	)				
3. RCRA/Hazardou	is wastes			1.55 1.895 3.883 360			100000000000000000000000000000000000000		2 days (	)				
Ignitability (Flash F	Pt.)	( 🔊	)	Corrosivity		(≱	)	San Section	3 days (	)				
Reactivity (CN & S	North Committee	(j-		TCLP		, (		, and a	5 days (	)				
RCRA Metals	1	(⊮	)	Organics-Pest/Herl	<b>)</b>	( '		Note:		ne is ten (10) working				
Organics-BNA TOX	ligase vita	(	) -)	Organics-VOA	SESS SINT	(			days; additional char; orders	es apply for rash				
4. Specific Organic	S						le militario e	Sample ty	pe legend:					
Volatiles		(	)	Semi-Volitiles (BN		(			,					
Pesticides/PCB's		(	)	PCB's Only		(			grab samples	X				
Herbicides		(	) .	TPH/Diesel (TPH/	ע)	(			composite san	nples xx				
BTEX		(	)	TTO OTHER (Specify)		(	) `\							
TTO & Dioxin	i bari	(	)	OTHER (Specify)		·		ner eggenetere						
5. Microbiology				m.us1 65-19		.,	`	Ven de la						
Fecal Coliform		(	)	Total Coliform		(	)		6/15					
Comments:		- 100 V - 100 V						Accessed the second sec	N ENVIRON Street • Pond		BORATORIES			
										ax.: 809-841-7	313			

### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- 4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are fir.ally disposed.

### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

**Project Number:** A number given to the project, optional. Company: The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected Sampler: Each sampler is identified. **BEL ID Number:** Laboratory Identification Number unique for each sample and assigned by Beckton. Control No.: A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples. Date: A six digit number indicating day of collection, month and the year. A four digit number indicating time of collection; military time must be preferably Time: employed. AM and PM should be stated in case normal time is employed. Sample matrix: Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix. Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab. Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt, trip blanks, field blanks or duplicates samples were taken. Analysis: Each parameter to be analyzed should be marked with an "X" or "XX" Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be legible. If not legible, print name above signature. Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as

- possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
  - (2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
  - (3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
  - (4) The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

## CHAIN OF CUSTODY RECORD

PROJECT NO. COMPANY	GE SLANA D	AZ SAMPLER C. Rown
SAMPLE LOCATION/CLIENTID	Giltres de PA	d Printing TIME 9,00 CONTROL NO.
SAMPLE DATE	2-20-97	BEL. NO. 97 00522 11814
1. General Environmental:		
Acidity ( )	Alkalinity ( )	Relinquished by:
Ammonia as N ( )	Bicarbonate ( )	Marie Leplera
BOD-5 ( )	Bromide ( )	gracy - grown
Chloride ( )	Chlorine, Res. ( )	Date/Time: 2/20/97 9:30 a.m.
COD ( )	Color (ADMI) ( )	Date/Time.
Conductivity ( )	Color (Pt-Co) (	Received by:
Dissolved Oxygen ( ) Hardness ( )	Cyanide ( ) Fluoride ( )	Neccived by.
` ,	Iodine ( )	
Moisture % ( ) Nitrite ( )	Nitrate (	
Oil+Grease ( )	Nitrate + Nitrite (	Date/Time: 3-00-9 - 9.30M
Phenol ( )	pH (	) Ducy Time.
Phosphorus, Total ( )	Phosphate, Ortho	Relinquished by:
Sett. Solids mg/L ( )	Sett. Solids mL/L	
Sulfate ( )	Solids, Total (	
Sulfite ( )	Sulfide (	
TDS ( )	Surfactant (	Date/Time: 2-20-97- 2:45 1
Temperature ( )	TSS (	
TOC ( )	TKN (	Received (1)
Asbestos in air ( )	Turbidity (	Muntain
2. Metals	and the second of the second o	Apollinario
Aluminum (Al) ( )	Cadmium (Cd) (	Date/Time: 2/20/97 3:00 pm
Chromium (Cr) ( )	Copper (Cu)	) in the same of t
Iron (Fe) ( )	Lead (Pb) (	
Manganese (Mn) ( )	Mercury (Hg) (	) Matrix:
Nickel (Ni) ( )	Selenium (Se) (	)
Silver (Ag) ( )	Tin (Sn) (	water ( )
Zinc $(Zn)$ $($	Arsenic (As) (	sludge ( ) ear and s
Barium (Ba) ( )	Boron (B) (	soil ( )
Antimony (Sb) ( )	Beryllium (Be) (	solid ( )
Bismuth (Bi)	Calcium (Ca)	)
Chromium, VI (CrVI) ( )	Cobalt (Co)	) regarded ( )
Magnesium (Mg) ( )	Molybdenum (Mo) (	other (X) Specify: Ciltro
Potassium (K) ()	Silicon (Si) (	) is a straight of the second
Sodium (Na) ()	Strontium (Sr) (	) .
Thallium (Tl) ( )	Titanium (Ti)	) Turnaround time:
Vanadium (V) ( )		And the William Control of the Contr
	$\label{eq:force_force} \mathcal{F} = \{f \in \mathcal{G} \mid  g(f)     g(f)  \leq \ g(f)\ _{L^{2}(\mathbb{R}^{d})} + \ f\ _{L^{2}(\mathbb{R}^{d})} + \ g(f)\ _{L^{2}($	The resonance of the contract of $1$ day $2$ ( )
3. RCRA/Hazardous wastes	in a trace of the public kind	2 days ( )
Ignitability (Flash Pt.) ( )	Corrosivity (	3 days ( )
Reactivity (CN & S)	TCLP WICHIES (X	5 days ( )
RCRA Metals (X)	Organics-Pest/Herb (	Note: normal turner aund time is ten (10) working
Organics-BNA ( )	Organics-VOA (	days; additional charges apply for resh
TOX ( )		y new to new to new 我 na per <b>orders</b> y no.
4. Specific Organics		Sample type legend:
Volatiles ( )	Semi-Volitiles (BNA)	Year Promote and the
Pesticides/PCB's ( )	PCB's Only (	grab samples x
Herbicides ( )	TPH/Diesel (TPH/D) (	) composite samples xx
BTEX ( )	TTO (	)
TTO & Dioxin ( )	OTHER (Specify) (	)
		The control of the state of the control of the cont
5. Microbiology		and the company of th
Fecal Coliform ( )	Total Coliform (	)
1. 1 1.	A STATE OF THE STA	THE THE PARTY PARTY PARTY I A PODATODIES
Comments: Field Bkonz	- 7100913	BECKTON ENVIRONMENTAL LABORATORIES
+n: 0	9200914	192 Villa Street ♦ Ponce, PR 00731 Tel: 809-841-7373 ♦ Fax.: 809-841-7313

### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application M

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This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

Definition

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
  - it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
  - it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: Company: A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

d during e in legal p

Sampler: BEL ID Number: Each sampler is identified.

Control No.:

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

Time:

Date:

A six digit number indicating day of collection, month and the year.

Sample matrix:

A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed.

Sample type:

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type.

solid, mixed waste, or other. In the event other is selected specify the sample matrix. Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab.

Comments:

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX"

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be legible. If not legible, print name above signature.

Note:

- (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
- (2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
- (3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.
- (4) The following preservatives must be always employed:
  Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;
  H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

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Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

## CHAIN OF CUSTODY RECORD

PROJECT NO.		сомр	'ANY	GE SUM	<u>~/~</u>	$\mathcal{D}_{\overline{c}}$	17	SAMPLER	N. 7	Texeir	<u>A</u>
SAMPLE LOCATION/CLIENT ID			Fusi	Fusibles					9,48	CONTROL NO.	
SAMPLE DATE				2-2		2			BEL. NO.	9)00916	11818
1. General Environr	nental:										
Acidity	( )			Alkalinity		(	)	Relinquish	ned by:	,	
Ammonia as N	( )			Bicarbonate		(	)		~ 1	eleira	
BOD-5	( )			Bromide		(	)	Man	ay V.	geera	
Chloride	( )			Chlorine, Res.		(	)		1.1	// -	
COD	( )			Color (ADMI)		. (	)	Date/Time	2/20	197	9:30000
Conductivity	( )			Color (Pt-Co)		(	)			•	
Dissolved Oxygen	( )			Cyanide		(	)	Received !	by:		
Hardness	( )			Fluoride		(	)			0/	
Moisture %	( )			Iodine		(	)		The same of the sa	30C	
Nitrite	( )			Nitrate		(	)		~		
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time	e: <u> </u>	30-97 -	-5:450
Phenol	( )			pН		(	)				- -
Phosphorus, Total	( )			Phosphate, Ortho		(	)	Relinquish	hed by:		
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	)			2	
Sulfate	( )			Solids, Total		(	) <	A STATE OF THE PROPERTY OF THE			
Sulfite	( )			Sulfide		(	)		_		
TDS	( )			Surfactant		(	)	Date/Time	e: <u>Ə ~ ƏƏ~</u>	·97 - ali	0
Temperature	( )			TSS		(	)				
TOC	( )			TKN		(	)	Received	by:////	4	
Asbestos in air	( )			Turbidity		(	)		Bush	UN	
2. Metals									pla	Man 2.	ODM
Aluminum	(Al)	C	)	Cadmium	(Cd)	(	)	Date/Tim	e: 2/20	17700	
Chromium	(Cr)	ì	)	Copper	(Cu)	Ò	)				•
Iron	(Fe)	Ċ	)	Lead	(Pb)	(X	$\mathcal{O}$				
Manganese	(Mn)	Ċ	)	Мегсигу	(Hg)	(	)	Matrix:			
Nickel	(Ni)	(	)	Selenium	(Se)	(	)		air (	)	
Silver	(Ag)	(	)	Tin	(Sn)	(	)		water (	)	
Zinc	(Zn)	(	)	Arsenic	(As)	(	)		sludge (	)	
Barium	(Ba)	(	)	Boron	(B)	(	)		soil (	)	
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)		solid (	)	
Bismuth	(Bi)	(	)	Calcium	(Ca)	(	)		oil (	)	
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	(	)		mixed (	)	
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)		other (c	🗷) Specify: 🎉	usles
Potassium	(K)	(	)	Silicon	(Si)	(	)				
Sodium	(Na)	(	)	Strontium	(Sr)	(	).				
Thallium	(Tl)	(	)	Titanium	(Ti)	(	)	Turnarou	nd time:		
Vanadium	(V)	(	)						1 day (	)	
3. RCRA/Hazardou	c waster								2 days (	í	
Ignitability (Flash P		(	``	Corrosivity		(	)		3 days (	í	
Reactivity (CN & S		(	,	TCLP		~	)		5 days (	Ś	
RCRA Metals	,	~	)	Organics-Pest/Herb		~	<u> </u>	Note:	• •	time is ten (10) working	
Organics-BNA		~	,	Organics-VOA		~ ~	)		days; additional cha		
TOX		(	)	Organics VOII		`	,		orders		
4. Specific Organic	s							Sample to	ype legend:		
Volatiles	-	(	)	Semi-Volitiles (BNA	<b>L</b> )	(	)		-		
Pesticides/PCB's		ì	)	PCB's Only	,	ì	)		grab samples	х .	
Herbicides		ì	)	TPH/Diesel (TPH/L	<b>)</b> )	ì	)		composite sa		
BTEX		ì	Ś	TTO	•	ì	)				
TTO & Dioxin		Ì	)	OTHER (Specify)		Ì	)				
5. Microbiology											
Fecal Coliform		(	)	Total Coliform		(	)				
Comments:	Por	7	CI	<i>^</i>						IMENTAL LAB	ORATORIES
									Street • Pon		212
<del></del>								1el.: 809	<i>-</i> -841-73/3 ♥ .	Fax.: 809-841-73	113

### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

### Scope And Application

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- it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- 4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

### Procedure for filling chain-of-custody forms

Sample matrix:

Comments:

2.

prodice M

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ighties M

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number:

A number given to the project, optional.

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Sampler:

Each sampler is identified.

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Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing.

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Date:

A six digit number indicating day of collection, month and the year.

Time:

A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed.

Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix.

Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab.

Sampler should specify field observations or abnormal conditions. For example: If spilt,

trip blanks, field blanks or duplicates samples were taken.

Analysis:

Each parameter to be analyzed should be marked with an "X" or "XX".

Relinquished and received by:

When transferring the possession of samples the individuals relinquishing and receiving will sign date, and note the time. This record documents sample custody transfer from

will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

legible. If not legible, print name above signature.

Note: (1) The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.

(2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.

(3) If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper disposal.

The following preservatives must be always employed:

Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides;

H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

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# CHAIN OF CUSTODY RECORD

PROJECT NO.		СОМР	ANY	GE. Su	an/>	$\mathcal{D}$	/u-7		SAMPLER	C. Roma
SAMPLE LOCATION	N/CLIENT I	D		Film	d- i	to	<i>j</i>	ROOM	~	TIME 9.16 \ CONTROL NO.
SAMPLE DATE				2-	- صر	<u>97</u>				BEL. NO. 9769/11 11010
1. General Environr	nental:			A.11. 12 %		,			Déli- anich	ad bur
Acidity	()			Alkalinity		(	)		Relinquish	
Ammonia as N	( )		٠	Bicarbonate		(	) .		Van	esu Lesera
BOD-5	( )			Bromide		(	)		- y care	<del>y</del> <del>y</del> <del>y</del> <del>y</del>
Chloride	( )			Chlorine, Res.		(	<b>)</b>		Date/Time	2/20/97 9:30 9.4
COD	( )			Color (ADMI)		(	)		Date/Time	
Conductivity	( )			Color (Pt-Co)		(	,		Received b	***
Dissolved Oxygen	( )			Cyanide		(	)		Received	y.
Hardness	( )			Fluoride		(	)	_		
Moisture %	( )			Iodine		(	)	Co		
Nitrite	( )			Nitrate		(	)		Date/Time	2-20-97-930R
Oil+Grease	( )			Nitrate + Nitrite		(	)		Date/1 me	- 0- 30) - 1,50ra
Phenol	( )			pH		(	)		Relinquish	ad by:
Phosphorus, Total	( )			Phosphate, Ortho		(	,		Kenndman	ed by.
Sett. Solids mg/L	( )			Sett. Solids mL/L		(	·			
Sulfate	( )			Solids, Total		(	)	~		
Sulfite	( - )			Sulfide		(	)		Date/Time	1-20-97 -2:30 res
TDS	( )			Surfactant TSS		(	,		Date/ Time	
Temperature TOC	( )	• •		TKN		(	,		Received b	w. M
Asbestos in air	( )			Turbidity		(	)		Kearved (	Therastain.
2. Metals									-6	2/30/97 3:00 pm
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	1		Date/Time	2/30/99 0.00 pm
Chromium	(Cr)	ì	· ·	Copper	(Cu)	ì	í			
Iron	(Fe)	(	í	Lead	(Pb)	~	í			
Manganese	(Mn)	(	``	Mercury	(Hg)	$\sim$	<u> </u>		Matrix:	
Nickel	(Ni)	~	í	Selenium	(Se)	ì	í			air ( )
Silver	(Ag)		`	Tin	(Sn)	(	<b>`</b>			water ( )
Zinc	(Zn)	(	`	Arsenic	(As)	(	<b>'</b>			sludge ( )
Barium	(Ba)	(	`	Boron	(B)	· (	í			soil ( )
Antimony	(Sb)	(	, )	Beryllium	(Be)	ì	ś			solid ( )
Bismuth	(Bi)	ì	í	Calcium	(Ca)	ì	ś			oil ( )
Chromium, VI	(CrVI)	ì	á	Cobalt	(Co)	ì	Ś			mixed ( )
Magnesium	(Mg)	ì	Ý	Molybdenum	(Mo)	ì	Ó			other (L) Specify: FIFE
Potassium	(K)	ì	í	Silicon	(Si)	ì	j			
Sodium	(Na)	ì	ń	Strontium	(Sr)	ì	j .			
Thallium	(Tl)	Ò	Ú	Titanium	(Ti)	ì	)		Turnarous	nd time:
Vanadium	(V)	ì	ĵ.		` '	•				
	` '	`	,							1 day ( )
3. RCRA/Hazardou	s wastes									2 days ( )
Ignitability (Flash F	't.)	(	)	Corrosivity		(	)			3 days ( )
Reactivity (CN & S	)	(	)	TCLP		(	)			5 days ( )
RCRA Metals		. (5	<b>(</b> *)	Organics-Pest/Herb		(	)		Note:	normal turnar and time is ten (10) working
Organics-BNA			<b>)</b>	Organics-VOA		(	)			days; additional charges apply for rash
TOX		(	)							or ders
4. Specific Organic	s								Sample ty	pe legend:
Volatiles		(	•)	Semi-Volitiles (BNA	4)	(	)			
Pesticides/PCB's		(	)	PCB's Only		(	)			grab samples x
Herbicides		(	)	TPH/Diesel (TPH/I	<b>)</b> )	(	)			composite samples xx
BTEX		(	)	TTO		(	)			
TTO & Dioxin		(		OTHER (Specify)		(	)			
5. Microbiology	í									
Fecal Coliform		(	)	Total Coliform		(	)			
Comments:										ON ENVIRONMENTAL LABORATORIES
										Street ♦ Ponce, PR 00731
									Tal. 900	-841-7373 ▲ Fay · 809-841-7313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

### Scope And Application M

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This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. **Definition** 

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- 4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are firally disposed.

### Procedure for filling chain-of-custody forms

Control No.:

Sample matrix:

Sample type:

Date:

Time:

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number:

A number given to the project, optional.

Company:

The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected.

Sampler:

Each sampler is identified.

BEL ID Number:

Laboratory Identification Number unique for each sample and assigned by Beckton.

Laboratory Identification Number unique for each sample and assigned by Beckton.

A number assigned by Beckton for the purpose of sample tracking and invoicing.

Customers will utilize this number for determining status of samples.

A six digit number indicating day of collection, month and the year.

A four digit number indicating time of collection; military time must be preferably

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Check appropriate space for the following sample matrix: water; solid; air; sludge, soil,

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Write either an "x" or "xx" in the corresponding space next to the parameter. Sample

types: xx- composite; x- grab.

Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt,

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When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be

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Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

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#### CHAIN OF CUSTODY RECORD

PROJECT NO. COMPANY		SAMPLER L. Rivera
	TE JUNUA 1-12	C' Civia
SAMPLE LOCATION/CLIENT ID	tions de Montin	MIENTO TIME 8:43 CONTROL NO.
	'	
SAMPLE DATE	2-2-2-57 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BEL. NO. 9700918 11010
1. General Environmental:		
Acidity ( )	Alkalinity ( )	(Relinguished by:
Ammonia as N ( )	Bicarbonate ( )	$\mathcal{L}$
BOD-5 ( )	Bromide ( )	yany Oleura
Chloride ( )	Chlorine, Res. ( )	Date/Time: 2/20/97 9.30 a.m
COD ( )	Color (ADMI)	Date/Time: $\frac{2/20/9/7}{7.304}$
Conductivity ( )	Color (Pt-Co) ( )	
Dissolved Oxygen ( )	Cyanide ( )	Received by:
Hardness ( )	Fluoride ( )	
Moisture % ( )	Iodine ( )	
Nitrite ( )	Nitrate ( )	
Oil+Grease ( )	Nitrate + Nitrite ( )	Date/Time: 3 - 30 - 97 - 9, 30 s
Phenol ( )	pH (4.7)	and the second of the second o
Phosphorus, Total ( )	Phosphate, Ortho ( )	Relinquished by:
Sett. Solids mg/L ( )	Sett. Solids mL/L ( )	22_
Sulfate ( )	Solids, Total	
Sulfite ( - )	Sulfide ( / /)	0 12 65 110 4
TDS ( )	Surfactant ( )	Date/Time: 2-2-57- 2:00 fm
Temperature ( )	TSS ( )	and the second s
TOC ( - 2.2.*) 2 ,	TKN - TO HERE THE TO SEE	Received by
Asbestos in air ( )	Turbidity ( )	(Karadan)
tura.	na en para la misma de la francia de la francia de la compania de la compania de la compania de la compania de La compania de la co	- Decarant
2. Metals	<ul> <li>Big applies of the depolit Area of the control of the</li></ul>	Date/Time: 2/20/97 3:00 pm
Aluminum (Al)	Cadmium (Cd) ( )	Date/Time:
Chromium (Cr) ( )	Copper (Cu)	
Iron (Fe) ( )	Lead to the (Pb) the (Tall)	,
Manganese (Mn) ( )	Mercury (Hg) ( )	Matrix:
Nickel (Ni) ( )	Selenium (Se) ( )	air ( )
Silver (Ag) ( )	Tin (Sn) ()	water ( ) sludge (✔)
Zinc $(Zn)$ $($ )	Arsenic (As) ( )	soil ()
Barium (Ba) ( )	Boron (B) ( )	solid ( )
Antimony (Sb) ( )	Beryllium (Be) ( ) Calcium (Ca) ( )	oil ( )
Bismuth (Bi) ( )		mixed ( )
Chromium, VI (CrVI) ()	Cobalt (Co) All ( ) Al	other ( ) Specify:
Magnesium (Mg) ( ) Potassium (K) ( )	Silicon (Si) ( )	( ) Sports) -
Potassium (K) () Sodium (Na) ()	Strontium (Sr) ()	
Thallium (Tl) ( )	Titanium (Ti) ( )	Turnaround time:
Vanadium (V) ()	real real and real real real real real real real real	The state of the s
es exactos likes var		europeratus) outen de 1 day e ( )
3. RCRA/Hazardous wastes		$2 \times 3 \times 4 \times 3 \times 2 \text{ days}$
Ignitability (Flash Pt.) ( )		a la la mara a la days ( )
Reactivity (CN & S)		early, the even of the 5 days ( )
RCRA Metals (X)	,	Note: normal turner and time is ten (10) working
Organics-BNA ()		days; additional charges apply for rush
TOX	. A factor po	in the state of th
,		
4. Specific Organics		Sample type legend:
Volatiles ( )	Semi-Volitiles (BNA)	
Pesticides/PCB's	PCB's Only	grab samples x
Herbicides ( )	TPH/Diesel (TPH/D) ( )	composite samples xx
BTEX ( )	TTO ( )	
TTO & Dioxin ( )	OTHER (Specify) ( )	
	and the second of the second o	
5. Microbiology	e filosofia de la como	
Fecal Coliform ( )	Total Coliform ( )	1.00 miles
		DESCRIPTION DESCRIPTION OF A PARTICIPATION OF A PAR
Comments:		BECKTON ENVIRONMENTAL LABORATORIES

Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

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[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

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   it is in your view, after be
  - it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- 4. it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

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Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: A number given to the project, optional. Company: The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected. Sampler: Fach sampler is identified. **BEL ID Number:** Laboratory Identification Number unique for each sample and assigned by Beckton. Control No.: A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples. Date: A six digit number indicating day of collection, month and the year. Time: A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed. Sample matrix: Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix. Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite: x- grab. Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt, trip blanks, field blanks or duplicates samples were taken. Analysis: Each parameter to be analyzed should be marked with an "X" or "XX" Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be legible. If not legible, print name above signature.

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    H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

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Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

#### CHAIN OF CUSTODY RECORD

PROJECT NO.		сомр.	ANX	E JUA	A P	, 'A2	,	SAMPLER WANCY TEXEIVE						
SAMPLE LOCATION	ON/CLIENT ID	)		Maron		٨٨٤	Pour D	TIME CONTROL NO.						
SAMPLE DATE					1000		1000	BEL. NO. 9700919 11812						
1. General Enviror	mental:													
Acidity	( )			Alkalinity		(	)	Relinquished by:						
Ammonia as N	( )			Bicarbonate		(	)	yang Defeira						
BOD-5	( )			Bromide		(	)	yaney Olfeera						
Chloride	( )			Chlorine, Res.		(	)	Date/Time: 2/20/97 9:30 4.00						
COD	( )			Color (ADMI)		(	)	Date/Time: 4.30 4.50						
Conductivity	( )			Color (Pt-Co)		(	)	Received by:						
Dissolved Oxygen Hardness	( )			Cyanide Eluarida		(	)	Received by.						
Moisture %	( )			Fluoride Iodine		(	(							
Nitrite	( )			Nitrate		(	,							
Oil+Grease	( )			Nitrate + Nitrite		(	)	Date/Time: 2- 20-97-9/30 D						
Phenol	( )			pH .		(	)	Date/Time.						
Phosphorus, Total	( )			Phosphate, Ortho		7	)	Relinquished by:						
Sett. Solids mg/L	( )			Sett. Solids mL/L		$\sim$	í	10/7						
Sulfate	( )			Solids, Total		ì	Ś							
Sulfite				Sulfide		ì	Ś							
TDS	( )			Surfactant		ì	j.	Date/Time: 2-20-57 - 2:35/2						
Temperature	· ( )			TSS		ì	)							
TOC	( )			TKN		ì	)	Received by:						
Asbestos in air	( )			Turbidity		(	)	Becastain						
2. Metals								plantan 2.Mm						
Aluminum	(Al)	(	)	Cadmium	(Cd)	(	)	Date/Time: 2/20/97 3:00pm						
Chromium	(Cr)	(	)	Соррег	(Cu)	(	)	/ /						
Iron	(Fe)	(	)	Lead	(Pb)	(	)							
Manganese	(Mn)	(	)	Mercury	(Hg)	(	)	Matrix:						
Nickel	(Ni)	(	)	Selenium	(Se)	(	)	air ( )						
Silver	(Ag)	(	)	Tin	(Sn)	(	)	water ( )						
Zinc	(Zn)	(	)	Arsenic	(As)	( -	)	sludge ( )						
Barium	(Ba)	(	)	Boron	(B)	(	)	soil ( )						
Antimony	(Sb)	(	)	Beryllium	(Be)	(	)	solid ( )						
Bismuth	(Bi)	(	)	Calcium	(Ca)	. (	)	oil ( )						
Chromium, VI	(CrVI)	(	)	Cobalt	(Co)	(	)	mixed ( )						
Magnesium	(Mg)	(	)	Molybdenum	(Mo)	(	)	other ( ) Specify						
Potassium	(K)	(	)	Silicon	(Si)	(	)							
Sodium	(Na)	(	()	Strontium	(Sr)	(	) .	m.,						
Thallium Vanadium	(Tl) (V)	(	)	Titanium	(Ti)	(	)	Turnaround time:						
a nan. == :		ì	•					1 day ( )						
3. RCRA/Hazardo		,		<b>C</b>		,		2 days ( )						
Ignitability (Flash		(	)	Corrosivity TCLP		(	, ) , \	3 days ( )						
Reactivity (CN &	S)	(	)				, )	5 days ( )  Note: normal turnar aund time is ten (10) working						
RCRA Metals			()	Organics-Pest/Her	D	(	)	days; additional charges apply for rush						
Organics-BÑA TOX		(	)	Organics-VOA		(	,	orders						
4. Specific Organi	cs							Sample type legend:						
Volatiles		. (	.)	Semi-Volitiles (Bl	NA)	(	)							
Pesticides/PCB's		( -	· )	PCB's Only		(	)	grab samples x						
Herbici <b>d</b> es		(	)	TPH/Diesel (TPH	/D)	(	)	composite samples xx						
BTEX		(	)	TTO		(	)							
TTO & Dioxin		(	)	OTHER (Specify)		(	)							
5. Microbiology														
Fecal Coliform		(	)	Total Coliform		(	)							
Comments:								BECKTON ENVIRONMENTAL LABORATORIES						
~ MINING.								192 Villa Street ♦ Ponce, PR 00731 Tel.: 809-841-7373 ♦ Fax.: 809-841-7313						

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

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(4)The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO, for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

### CHAIN OF CUSTODY RECORD

PROJECT NO. COMPAN	GE SUMA	Diaz	SAMPLER N. TC+CIRA
SAMPLE LOCATION/CLIENT ID	Muestra +	¥ 1	TIME 9,000 CONTROL NO.
SAMPLE DATE	2-17-97		BEL. NO. 9700970 1181
1. General Environmental:			
Acidity ( ) Ammonia as N ( )	Alkalinity	( )	Relinquished by:
BOD-5	Bicarbonate of the parties of the Bromide	( ) ( )	Transce of eleisa
Chloride	Chlorine, Res	( )	gary squa
COD ( )	Color (ADMI)	( )	Date/Time: 2/20/97 9:30 9.4
Conductivity ( )	Color (Pt-Co)	( )	Part Part Part Part Part Part Part Part
Dissolved Oxygen ( )	Cyanide	( )	Received by:
Hardness ( )	Fluoride	( )	
Moisture % ( )	Iodine	(	
Nitrite ( )	Nitrate and a second asset of the	e <u>(</u> )ee aan aa	
Oil+Grease ( )	Nitrate + Nitrite	( )	Date/Time: 0-30-97-9/304
Phenol ( )	The <b>pH</b> is the same particle with	(	and the April of the second of
Phosphorus, Total ( )	Phosphate, Ortho	( )	Relinquished by:
Sett. Solids mg/L ( )	Sett. Solids mL/L		
Sulfate (%)	Solids, Total	( ) - 1 1 1 1 1 C	
Sulfite ( and ) ( and ) TDS	Sulfide Surfactant	( )	Date/Time: 2-00-57 - 2:40 Am
Temperature ( )	TSS	( )	Date/Time. 3-30-3)-6-10 px
TOC (19) disposition	TKN	( )	Received by
Asbestos in air	Turbidity	( )	(Karatai)
gat in the	in the state of th	Age Take	() Seranais
2. Metals	Coffee and Constitution of parental lien		2/00/92 3:00 pm
Aluminum (Al) (mil)	Cadmium (Cd)	( ') Park 10 '	Date/Time: 9/40/9/ 3.00////
Chromium (Cr) ( )	Copper (Cu)	( )	' /
Iron (1.25%)	Lead (Pb)	a(tab) sama medal	\$ 3877 mill
Manganese (Mn) (Mn)	Mercury (Hg)	(e.e.) 288 a	Matrix:
Nickel translation (Ni) and a (1.17)			air ( ) on profession (
Silver (Ag) ( )	` '	v( ) na na na na na	water ( )
Zinc (Zn) (a) Barium (Ba) (b)	` ,	( 3) :	sludge ( ) Almeration A soil ( )
Barium (Ba) ( ) Antimony (Sb) ( )		( )	solid ( )
Bismuth (Bi) (Co)	Calcium (Ca)	( )	voil and the second second
Chromium, VI (CrVI) (	) Cobalt (Co)	( )	mixed ( )
Magnesium (Mg) ( )	Molybdenum (Mo)	o'( 'é) a saara ee	other (a) Specify: Suran
Potassium (K) ()	Silicon (Si)	( )	
Sodium (Na) ( )	Strontium (Sr)	( ).	
Thallium (Tl) ( )	Titanium (Ti)	. ( : )	Turnaround time:
Vanadium $(V_1)$ $(V_2)$			
2. DCD A // Consideration and the constant of		MARTINE HERE	And the second day: ( )
3. RCRA/Hazardous wastes Ignitability (Flash Pt.) ( )	n de la composition della comp		gere amagyo 2 days ( ) ya ya garay 3 days ( )
Reactivity (CN & S)	Corrosivity TCLP	( )	garanta (h. 1904). 3 days (h. 1904). Garanta (h. 1904). 5 days (h. 1904).
RCRA Metals		( )	Note: normal turner sund time is ten (10) working
Organics-BNA ( )			and the second days; additional charges apply for rush
TOX ( )	· ·		The second of orders of
			G. J. Anna Laine
4. Specific Organics Volatiles ( )	Comi Weller (DRIA)	A STATE OF THE STA	Sample type legend:
- · · · · · · · · · · · · · · · · · · ·	Semi-Volitiles (BNA) PCB's Only		grab samples x
Pesticides/PCB's ( ) Herbicides ( )		` ,	composite samples xx
BTEX ( )	TTO	( )	
TTO & Dioxin ( )	OTHER (Specify)	( )	
5. Microbiology	$ \mathbf{w}^{\mathbf{a}}_{i}-\mathbf{a}_{i}  \leq  \mathbf{v}_{i} ^{2} +  \mathbf{v}_{i}$		
Fecal Coliform ( )	Total Coliform	( )	
		1000	THE COMMON PRINCIPAL OF THE CONTROL
Comments: ASSISTOS			BECKTON ENVIRONMENTAL LABORATORIES  192 Villa Street ◆ Ponce, PR 00731
			Tel.: 809-841-7373 ♦ Fax.: 809-841-7313

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

This procedure is necessary to insure the validity of the data. Due to the evidentiary nature of samples collected during enforcement investigations, possession must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings.

According to the USEPA Office of Enforcement and Compliance Monitoring National Enforcement Investigation Center (NEIC) Policies and Procedures, May 1978 and revised on May 1986, a sample is under custody if:

- 1. it is in your possession, or
- 2. it is in your view, after being in your possession, or
- 3. it was in your possession and you locked it up, or
- 4. . it is in a designated secure area.

Possession must be traceable from the time the samples are collected until they are finally disposed.

#### Procedure for filling chain-of-custody forms

Aug to the Midden M.

Chain of custody shall be completed using black waterproof ink. The information recorded should include:

Project Number: A number given to the project, optional. Company: The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected. Sampler: Each sampler is identified. **BEL ID Number:** Laboratory Identification Number unique for each sample and assigned by Beckton. Control No.: A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples. Date: A six digit number indicating day of collection, month and the year. Time: A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed. Sample matrix: Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, solid, mixed waste, or other. In the event other is selected specify the sample matrix. Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab. Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt, trip blanks, field blanks or duplicates samples were taken. Each parameter to be analyzed should be marked with an "X" or "XX" Analysis: Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be legible. If not legible, print name above signature. Note: (1)The field sampler is personally responsible for the care and custody of samples collected. As few people as

- possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
  - (2) Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
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Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

#### CHAIN OF CUSTODY RECORD

PROJECT NO.	COMPANY	QE. 50	gun Disz	SAMPLER	N.	Floreir	`~
SAMPLE LOCATION/CLIEN	TID	Muss	No #2	4	тіме	9,001	CONTROL NO.
SAMPLE DATE			7.97	A 1	BEL. NO.	700971	TTRTP
1. General Environmental:				-		in the second	±1, 3 €1
Acidity ( )	B. 1. 4	Alkalinity	1 4 7 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Relinquish	ed by:	er er egent die	
Ammonia as N ( )	Parameter was	Bicarbonate	i distribut ( t. ) distribution di distributione di distr	4	$\sim 1$	1	
BOD-5 ( )	1	Bromide	( )	yan	ey Ju	recia	<u>Magazia in a sana a</u>
Chloride ( )	ly the to careet	Chlorine, Res.	t 受着 th (fin ) in	Data (Times	2/2/	100	9.210.0
COD ( )	•	Color (ADMI)	in the state of th	Date/Time	2/20/	71	1. 20 41 .
Conductivity ( )		Color (Pt-Co)	( )	Received b		:	
Dissolved Oxygen ( ) Hardness ( )		Cyanide	( )	. Received 0	y. #		
Moisture %		Fluoride Iodine	1 3/3/3/(C)	7.5			·
Nitrite ( )		Nitrate					
Oil+Grease ( )		Nitrate + Nitrite	( )	Date/Time	:	20-5	A65.6 - C
Phenol ( )		pH	· · · · · · · · · · · · · · · · · · ·	Cursous according	•	<u>v                                     </u>	<i></i>
Phosphorus, Total ( )		Phosphate, Ortho	( )	Relinquish	ed by:		
Sett. Solids mg/L ( )	, )	Sett. Solids mL/L	A Carlo				
Sulfate ( )	5.4.8	Solids, Total	· · · · · · · · · · · · · · · · · · ·			<i><!-- /</i--></i>	-
Sulfite ( )	)	Sulfide	er en de 🕽 e de de e				3 5
TDS ( )	)	Surfactant	<b>( )</b>	Date/Time	: 2-20	-57 <u>-</u> 0	2.40 m
Temperature ( )	)	TSS	and the first of the second of		Λ		
TOC ( ; )	) • . •	TKN		Received b	WM ·	1	
Asbestos in air ( )	<b>)</b> s. d. <i>m</i> ., s	Turbidity	· / · · · · · · · · · .	1	KIRAN	min)	
	arya ka ka				prouv		
2. Metals			e prografi koj jednosti supak i a je	V	2/0/	1/97 7	8:00 pm
Aluminum (Al)	777 ( .w) 197	Cadmium	·(Cd) :::	Date/Time	:	7	
Chromium (Cr)	g. ( i) as	Соррег	·(Cu) · · · · · · ( · · · ) · · · · · · · ·				
Iron (Fe)	14 - 1 - 2 <b>(</b> 25) - <b>)</b> 24 - 1	Lead : Legal Hair .	(Pb) ( , z ) ( , z )				
Manganese (Mn)	(	Мегсигу	(Hg) (1) (1) (1)	Matrix:	. ,		
Nickel (Ni)	(12.)	Selenium	(Se) ( (a) (a 24 ) (a 4		air (	) again factoring	
Silver (Ag)	( )	Tin	(Sn) ( ( ( ) ) ( ) ( ) ( )		water (	)	
Zinc $(Zn)$	( )	Arsenic	( <b>As</b> );		sludge (	) marin been	
Barium (Ba)	( ) "	Boron	(B) proc ( 1.1 ) whith his		soil (	)	
Antimony (Sb) Bismuth (Bi)	. ( . )	Beryllium Calcium	(Be) ( )		oil (	)	
(= -)	TO ( )	Cobalt	(Ca) () y -1 22 22 24 (Co) 122 2 ( ) 12 2 2 2 2 2 2 2		mixed (	)	
Chromium, VI (CrV Magnesium (Mg)	, ,	Molybdenum	(Mo)g1 ( )		•	) Specify:	inha
Potassium (K)	( )	Silicon	(Si) (Si)		()-	, op	
Sodium (Na)	( )	Strontium	(Sr) ( )				
Thallium (Tl)	. ( )	Titanium	(Ti) - 111(20) - 20.11	Turnaroun	d time:		
Vanadium (V)		ad at a second	and the first of the second second	e avektijn.			
The state of the	Norway Server and Server and				1 day (	)	
3. RCRA/Hazardous waste	es e e e e e		an in att leinen taken et in ver		2 days (	)	
Ignitability (Flash Pt.)	( )	Corrosivity	<b>( )</b> ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	eries de la Care	3 days (	)	
Reactivity (GN & S)	· ( , )	TCLP	i sa alina <b>i ( )</b> sa area i (		5 days (	)	
RCRA Metals	· · ( - · · · · · · · · · · · · · · · · ·	Organics-Pest/Herb	fragilities and ( ) of	Note:	normal turner sund tim	e is ten (10) working	
Organics-BNA	( )	Organics-VOA	<b>( )</b>		days; additional charge	s apply for resh	
TOX	; · · ( · · )				orders		
					artist eta		
4. Specific Organics			en la de la companya	Sample ty	pe legend:		
Volatiles		Semi-Volitiles (BNA			arah samalar	v	
Pesticides/PCB's	( · · · · · · · · · · · · · · · · · · ·	PCB's Only			grab samples composite sam	x ples xx	
Herbicides	: ( )	TPH/Diesel (TPH/D			composite sam	pics AK	
BTEX TTO & Dioxin	( )	OTHER (Specify)	( )				
I I O & DIOXIII	( )	OTHER (Specify)					
5. Microbiology	en e	and the second s					
Fecal Coliform	( )	Total Coliform	( )				
Jan Semenii	` '	- 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Comments: Ashe.	Sto			BECKTO	N ENVIRON	MENTAL LAB	ORATORIES
					Street • Ponce		
				Tel.: 809-	-841-7373 ♦ Fa	ıx.: 809-841-73	13

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

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4.

Bank In 1 Principal VIII

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Chain of custody shall b	e completed using black waterproof ink. The information recorded should include:
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	ckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These

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Florida Department of Environmental Protection, Comprehensive QA/QC, 1992.

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#### CHAIN OF CUSTODY RECORD

PROJECT NO.	COMPANY	GÉ. 50	us P	rak	SAMPLER	L 1	live	
SAMPLE LOCATION	/CLIENT ID	aleite	USA	do		ТІМЕ	8:15 2	CONTROL NO. 1 1 0 1 1
SAMPLE DATE		2-20	197			BEL. NO.	9700925	TTOTT
1. General Environm	ental:	A 1110-24		,	Relinquish	ad bu		
Acidity	.( <sub>gar</sub> )than of	Alkalinity		(	Reinignish	eu oy.	1.	
Ammonia as N	( ) + 16 / 1	Bicarbonate  Bromide	. (	)	Was	O	eleir	
Chloride	( )	Chlorine, Res.		)	( -	F	7/7/	
COD	( )			, ·	Date/Time	.0 7/	20197	9:30a.m
Conductivity	( )	Color (ADMI) Color (Pt-Co)	(	) \	Daw/IIIIc			
Dissolved Oxygen	( )	Cyanide	(	)	Received b	ıv.		
Hardness	( )	Fluoride		<b>)</b>		,,. 	->	
Moisture %	( )	Iodine	. (	, _				The state of the s
Nitrite	( )	Nitrate	(	1		<del></del>		
Oil+Grease	( )	Nitrate + Nitrite	(	)	Date/Time	2-20	-97 -9	180 2
Phenol	( )	pH .		) )	Dute/Time			
Phosphorus, Total	( )	Phosphate, Ortho	(	)	Relinquish	ed by:		
Sett. Solids mg/L	$\dot{}$	Sett. Solids mL/L	- 1 P - 1 P	<b>1</b>		20-	·	
Sulfate	( ) stem is no to	Solids, Total		$\sim$	The same of the sa	$\leq \geq$	& C =	
Sulfite	( a)	Sulfide	e a Co	)				
TDS	( )	Surfactant	ì	)	Date/Time	: 2-20	97- 2.	45 /-
Temperature	( )	TSS		)				
TOC	r(ina) in tara	TKN	a – esa Br <b>(</b> s.	·) :	Received b	m .	网络美国首任	
Asbestos in air	oli	Turbidity	1 1 H	<b>)</b> 12.4 a. 444 (1.44)		Van af		
	Agmas Acres		4.3		_//#	Duna	in _	
2. Metals					0'	0/	11/07	3:00 m
Aluminum	(Al) ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	Cadmium	(Cd) ( :	<b>∌)</b> • ,	Date/Time	:~~~~~~~	20/7/	ויוון טט.כ
Chromium	(Cr) :: : , , ( -9: )	Copper	(Cu) (	·)		,	/	,
Iron	.(Fe):	Lead	(Pb) ====(	.)				
Manganese	(Mn) ( )	Mercury	(Hg) (	<b>a)</b> has the same	Matrix:			
Nickel	(Ni) (	Selenium	(Se) (	) *** * * * * *		air (		
Silver	(Ag) ( )	Tin	(Sn) (	p <b>.)</b> -		water (	)	
Zinc	(Zn) = ( ) :	Arsenic	(As) : ( ; .	o) i e e e e e e e		sludge (	) eg med i	
Barium	(Ba) ( )	Boron Boron	<b>(B)</b>	A) in the first of		soil (	)	
Antimony	(Sb) = (" / ) =	. Beryllium	(Be) (	) A\$ 1		solid (	) are the fire	
Bismuth	(Bi) ( )	Calcium	(Ca) (	)		oil (>	🗘 e dishawa kati	
Chromium, VI	(CrVI) ( )	Cobalt	(Co) ( )	<b>).</b>		mixed (	) Smooifuu	
Magnesium	(Mg) ( )	Molybdenum	(Mo) (	la) i a mar fræm		other (	) Specify:	
Potassium	(K) ( )	Silicon	(Si) (	)				
Sodium	(Na) ( )	Strontium	(Sr) (	)	Turnarour	nd time:		
Thallium Vanadium	·	Titanium	(Ti)	)	i ui iiaioui	du ume.		
	a( <b>∀)</b> Salestation (Salesta					1 day (	)	
3. RCRA/Hazardous					to real	2 days (	j	
Ignitability (Flash Pt		Corrosivity	(	<b>)</b>		3 days (	)	
Reactivity (GN & S)		TCLP VOICT	یدن در و کام ا	<i>,</i> )		5 days (	)	
RCRA Metals	· · · · · · · · · · · · · · · · · · ·	Organics-Pest/Herb		<b>&gt;</b>	Note:		me is ten (10) working	
Organics-BNA		Organics-VOA	ì	j i		days; additional char	ges apply for rash	
TOX	o a transación (ixó).	A				orders .		
	<b>,</b>							
4. Specific Organics					Sample ty	pe legend:		
Volatiles	. To provide the ( )	Semi-Volitiles (BNA)	( )	) 200 100		100		
Pesticides/PCB's		PCB's Only	t (	)		grab samples	X	
Herbicides	( )	TPH/Diesel (TPH/D)	)	) -		composite sar	nples xx	
BTEX	( )	TTO	(	)				
TTO & Dioxin	( )	OTHER (Specify)	· (	)				
5. Microbiology		University of the	* 2.14	and the second s				
Fecal Coliform	( )	Total Coliform	, (			1		
Commenter L	Call Ban	1-9200916			BECKTO	ON ENVIRON	MENTAL LAB	ORATORIES
Comments:	ica mis	1100120				Street ♦ Pone		
	00 11.	1 65 4 934					ov - 800-841-73	212

#### PROCEDURE FOR FILLING CHAIN OF CUSTODY FORM

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ALCOHOLDS:

IN TERMS

[Ref.: Beckton's Environmental Laboratories SOP Number 5.0 adopted on May 24, 1995]

#### Scope And Application

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#### Procedure for filling chain-of-custody forms

Chain of custody shall be completed using black waterproof ink. The information recorded should include: Project Number: A number given to the project, optional. Company: The name of the Company. If there companies with the same name, specified the city (place). Site were samples are obtained or specific project for which samples are collected. Sampler: Each sampler is identified. BEL ID Number: Laboratory Identification Number unique for each sample and assigned by Beckton. Control No.: A number assigned by Beckton for the purpose of sample tracking and invoicing. Customers will utilize this number for determining status of samples. Date: A six digit number indicating day of collection, month and the year. Time: A four digit number indicating time of collection; military time must be preferably employed. AM and PM should be stated in case normal time is employed. Check appropriate space for the following sample matrix: water; solid; air; sludge, soil, Sample matrix: solid, mixed waste, or other. In the event other is selected specify the sample matrix. Sample type: Write either an "x" or "xx" in the corresponding space next to the parameter. Sample types: xx- composite; x- grab. Comments: Sampler should specify field observations or abnormal conditions. For example: If spilt, trip blanks, field blanks or duplicates samples were taken. Analysis: Each parameter to be analyzed should be marked with an "X" or "XX" Relinquished and received by: When transferring the possession of samples the individuals relinquishing and receiving will sign, date, and note the time. This record documents sample custody transfer from the sampler, often through another person, to the laboratory. Each signature should be legible. If not legible, print name above signature. Note: (1)

- The field sampler is personally responsible for the care and custody of samples collected. As few people as possible should handle samples. When in-site measurement are made, the data are recorded directly in the chain-of-custody. For example: pH, temperature, dissolved oxygen, residual chlorine and flow measurements. If errors are made when completing any of these forms, the error must be crossed out with a single line and initialed and dated by the sampler.
  - Beckton Environmental Laboratories follows SOP's for sampling, preservation and handling of samples. These (2)procedures are of utmost importance if test values are representative of the source sample. Correct analytical methods are always employed.
  - If a sample is found to be toxic (as per appropriate RCRA regulation) it will be returned to the client for proper (3)disposal.
  - (4) The following preservatives must be always employed: Refrigeration, 4°C for all samples; HNO<sub>3</sub> for trace metals, hardness and radioactivity; NaOH for cyanides; H<sub>2</sub>SO<sub>4</sub> for phenolics, ammonia nitrogen, TKN, oil & grease, and phosphorus; Zn Acetate for sulfides. Other parameters are preserved as per appropriate SOP.

U.S. Environmental Protection Agency. NPDES Compliance Evaluation Inspection (MCD-75) Manual, Enforcement Division Office of Water Enforcement, Compliance Branch, Enforcement Division (EN-338), Washington, D.C. EPA January, 1981.

Florida Department of Environmental Protection, Comprehensive QA/QC, 1992

# CARIBE GE WIRING DEVICES CALLE CARRION MADURO FINAL JUANA DIAZ, PR 00795

May 16, 1996

Lisa Reaves BFI Corporate Waste Approval Group (713) 870-7971

> RE: WCD No. AZ6496 BFI No. 240125

Dear Mrs. Reaves

The following is the a confirmation that the waste generated by our former electroplating process did meet the F006 definition as listed in 40 CFR 261.31 Subpart D as requested in your inter-office correspondence letter to Mrs. María Pagán. I hope that with this information you will be able to determine if the waste will be approved for disposition in your Ponce Landfill.

If you need any further information please contact me at (787) 260-5008.

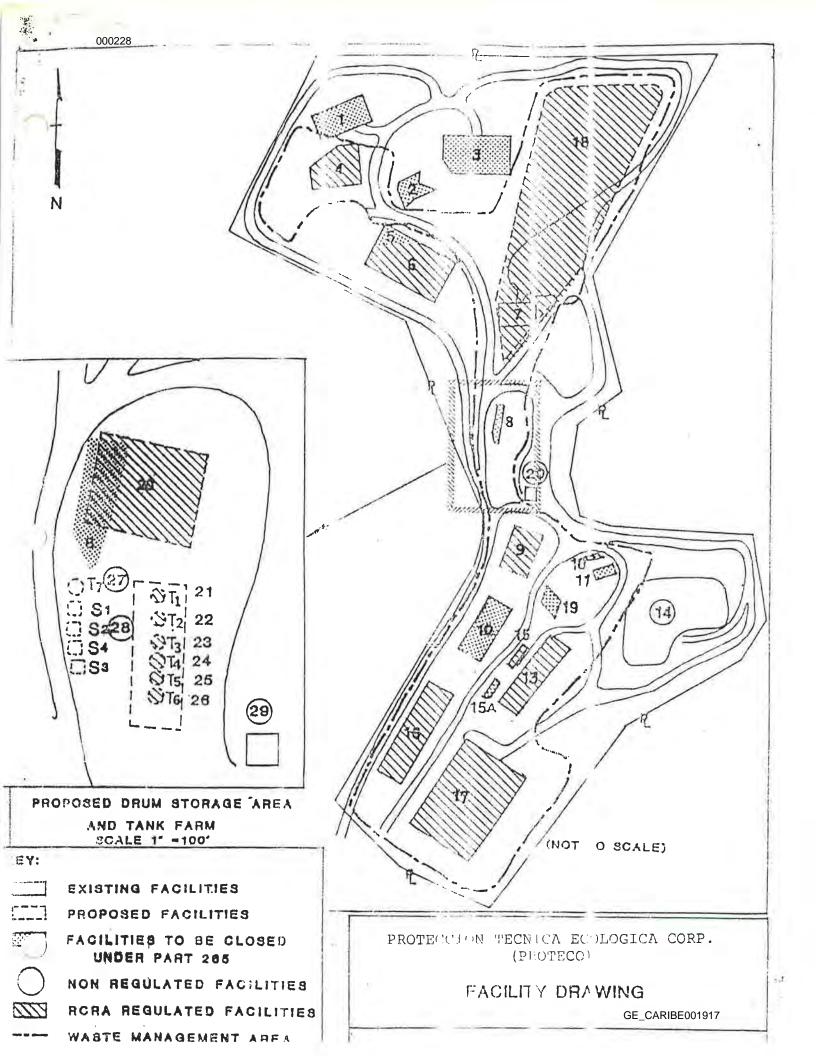
Sincerely,

Eng. Luis A. Yordán

Environmental, Health and Safety Coordinator

xc: File

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Quantity Disposal_site	F12	SITE A E B;	112	SITE A G B :		RVAPORATION LAGOOM	F12	SITE A & B;		112	EVAPORATION LAGOOM			P12		S A & B	112	T12	TI2							AC2	TI2			FI2		TI2	LANDFILL	EVAPORATION LAGOOM		#1.3	112	חחו וחופח
Quantity	330 GALS.		SE GALS.		ILS	9300 GALS	SS GALS.		DRENORM	350 GALS.	9300 GALS	c/a		770 GALS.	·.		5 GALS.	165 GALS.	165 GALS.	9300 GALS	SUNG CALS.	ALAN GALA	TRADER	2500 GALS.	9300 GALS	-		4400 GALS.	9300 GALS	330 GALS.	UNKROHN	330 GALS.	4400 GALS.			UNKNOWN 250 CH C	- 5	
Received Date Waste name	PLAMMABLE LIQUID PLATTEC HASTR SIGDER	OIL & SOLVBITS	FLAMMABLE SOLID RP7.IRMT SLUDGE	HSVB. LEIOA	BIRCTROPLATING SLUDGE	SLUDGE	FLAKKABLE SOLID	SLUDGE	PLATING SLUDGE	PLAMMABLE SOLID		COMBUSTIBLE LIQUID	LUBRICATING OILS & SOLVENTS	COMBUSTIBLE LIQUID, N.O. S	COMBUSTIBLE LIQUID	PLATING TREATED SLUDGE	FLAMMABLE SOLID	COMBUSTIBLE LIQUID	COMBUSTIBLE LIGHTD, E.O.S	BLECTROPLATING SLUDGE	BLBCIROFERITMG SEUDER	DIRECTOR WAS A CHANGE	CEDITAG EDULD DECEGO	SIBCTROPLATING SIUDGE	SLUDGE	POLYESTER RESIM	PLAMMABLE SOLID	PLATING WASTE SLUDGE	SLUDGE	PLAMMABLE LIQUID	SPERT SOLVERIS	COMBUSTIBLE LIQUID, N.O.S	STODES	CLUDGE STREET STREETS CTTTCC	MANIS MAIDE INSAIDEN VEUUGE	OLLY SLUBGE PLATING	STINGE	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Received_Date	12/16/81	10/17/80	12/16/81 36/26/78	13/17/80	06/26/19	01/08/80	12/16/81	10/19/80	37/10/80	12/16/81	01/03/80	12/16/81	10/10/80	12/16/81	12/16/81	10/17/80	12/16/81	12/16/81	12/16/81	01/24/86	06/13/19	95/57/10	01/17/10	06/14/79	12/27/79	01/11/84	12/16/81	11/24/78	12/28/79	12/16/81	12/03/80	12/15/81	10/04/79	27.517.19	22/03/00	12/15/81	19/98/14	£1.100101
Generator	GEMERAL ELECTRIC INDUSTRIAL PRODUCES, INC. GEMERAL ELECTRIC COMPROLS	BLECTRIC CONTROLS, INC.	GREERRAL BINCTRIC INDUCARIAL PRODUCAS, INC. GREERRAL BINCTRIC CONTROLS LING.	RESCURIC COMPROES,	GEMERAL ELECTRIC PROTECTIVE DEVICES	BLECTRIC GRPOL	ELECTRIC CONTROLS,	ELECTRIC	BLECTRIC CONTROLS	BLECTRIC	BLECTRIC GEFOL	ELECTRIC CONTROLS,	ELECTRIC CONTROLS, INC.	BLECTRIC	SERCTRIC PILOT DEV.	BLECTRIC CONTROLS, IEC.	ELECTRIC INDUSTRIAL PRODUCTS,	BLECTRIC INDUSTRIAL PRODUCTS,	BLECTRIC INDUSTRIA	GENERAL BLECTRIC PROTECTIVE DEVICES	DEBCIALC	PIRCIALC	RINGTER CONTROLS	BLECTRIC	GENERAL ELECTRIC SEPOI	GENERAL BLECTRIC			BLECTRIC	BLECTRIC	ELECTRIC CONTROLS	BLECTRIC	COMMENT STRUCTURED TO THE CONTROLL	PLECTALL	010000000000000000000000000000000000000	SERCIPIC	RIRCTRIC CONTROLS	
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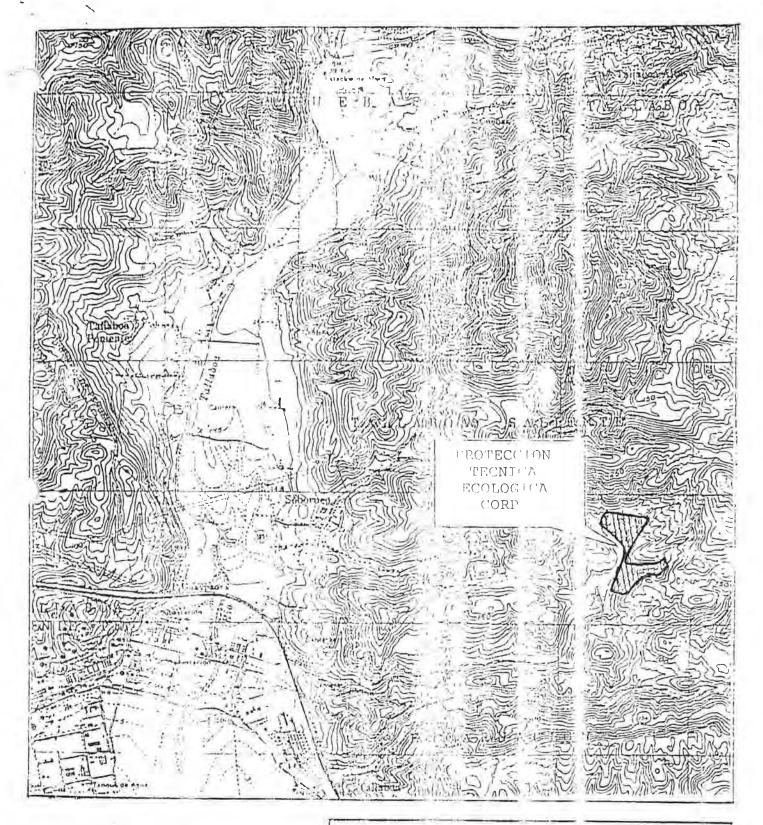


#### Facility Drawing Legend

- 1. Drum Burial Landfill #1 (Cavidad 1C)
- 2. Drum Burial Landfill #2 (General Electric)
- 3. Drum Burial Landfill #3 ( )
- 4. Drum Storage Area (A1)
- 5. Drum Burial Landfill #5 ( ?= )
- 6. Sanitary Landfill (SL)
- Neutralization Impoundment (LC)
- 8. Drum Burial Landfill #8 (
- 9. Oil Lagoon (LA)
- $\sqrt{10}$ . Immobilization Facility (TI<sub>1</sub>)
- √11. Immobilization Facility (TI<sub>2</sub>)
  - 12. Land Treatment Area (AC1)
  - 13. Rainwater Basin (LB)
  - 14. Land Treatment Area (AC<sub>2</sub>)
  - 15. Tank Storage
  - 15A. Tank Storage Area
- √16. Immobilization Facility (TI<sub>3</sub>)
  - 17. Neutralization Impoundment (LF)
- 18. Proposed Immobilization Facility
- 19. Temporary Drum Storage Area
- 20. Proposed Drum Storage Facility
- 21. Proposed Aboveground Corrosives Storage Tank (T1)
- \_22. Proposed Aboveground Acid Storage Tank (T2)
- 23. Proposed Neutralization Tank (T3)
- 24. Proposed Aboveground Halogenated Solvents Storage Tank (T4)
- GE\_CARIBE001918

  25. Proposed Aboveground Non-Halogenated Solvents Storage Tank

- Recyclable Oil Holding Tank (Non-Hazardous)
- Proposed Cement Kiln Dust Silos
- Observation Post 29.
- \* Regulatory status of SL currently in dispute per 9/27/84 USEPA Complaint





PUERTO RICO

QUADRANGLE LOCATION
PEÑUELAS, P.R.
N1800-W6537.5/7.5

LOCATION OF
PROTECO FACILITY
PENUELAS, P.R.

GE\_CARIBE001920

# AGREEMENT FOR THE TRANSFER OF PERMIT RESPONSIBILITY, COVERAGE AND LIABILITY BETWEEN CARIBE GE WIRING DEVICES, INC. AND GE CONSUMER WIRING DEVICES, LLC

CARIBE GENERAL ELECTRIC INC. – WIRING DEVICES
JUANA DIAZ, PUERTO RICO
PFE-LC-03-39-0595-0045-I-II-O

Whereas, Caribe GE Wiring Devices, Inc., a wholly-owned subsidiary of General Electric Company, currently operates a manufacturing facility at Carrion Maduro Final, Juana Diaz, PR 00795, with an air emission authorization entitled CARIBE GENERAL ELECTRIC INC. — WIRING DEVICES, JUANA DIAZ, PUERTO RICO, PFE-LC-03-39-0595-0045-I-II-O;

Whereas, General Electric Company is restructuring its Wiring Devices business located at Carrion Maduro Final, Juana Diaz, PR 00795, to create a new wholly owned subsidiary named GE Consumer Wiring Devices, LLC to operate at this facility;

Whereas, This corporate restructuring will not result in any new or modified processes at the permitted facility and, with the exception of the discontinuation of some existing processes, will leave the facility otherwise unchanged;

Now Therefore, Contingent on the approval of the appropriate regulatory agencies, the parties agree to transfer permit responsibility, coverage and liability for the CARIBE GENERAL ELECTRIC INC. — WIRING DEVICES, JUANA DIAZ, PUERTO RICO, PFE-LC-03-39-0595-0045-I-II-O as follows:

Date for transfer of permit responsibility, coverage and liability: April 1, 1999

#### **Current Permittee:**

Caribe GE Wiring Devices, Inc. Carrion Maduro Final Juana Diaz, PR 00795

#### New Permittee:

GE Consumer Wiring Devices, LLC Carrion Maduro Final Juana Diaz, PR 00795

CARIBE GE WIRING DEVICES, INC.	ge consumer wiring devices, LLC
BY Michael W. Lugary	BY Sugary DHande
its Secretary	ITS VICE PRESIDENT
DATE _3/25/99	DATE 3/45/55

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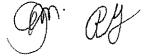
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#### COMMONWEALTH OF PUERTO RICO PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY P.O. BOX 362350 SAN JUAN, PR 00936-2350

#### LEASE AGREEMENT (BASIC PLANT)

#### between

#### PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY as Landlord

and

#### CARIBE GENERAL ELECTRIC as Tenant

#### PROJECTS:

AÑASCO: T-1278-0-80, T-0776-0-66, 1-69, 2-74 & 3-89

#200 8. 001083 Jahra SAN GERMÁN: T-0497-0-58. 1-85, T-0753-0-66, 1-89, T-0881-0-67

ARECIBO: T-0301-0-56, 1-73, T-0303-0-56, 1-58, 2-61 & 3-64

VEGA ALTA: S-0174-0-53

VEGA BAJA: T-1154-0-54 & 1-75 PATILLAS: S-0726-0-65 & 1-68

HUMACAO: S-0161-0-53, 1-73 & S-1336-0-82

VIEQUES: T-0849 & EXT.

#### LOTS:

AÑASCO: L-54-2-62-10-0 SAN GERMÁN: L-049-0-55-10-0 ARECIBO: L-065-0-56-08-1 VEGA ALTA: L-292-0-65-04-B

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#### ARTICLE I BASIC TERMS OF LEASE

The following sections set forth basic information referred to in this Lease Agreement and, where appropriate, constitute definitions of the terms hereinafter listed.

1.01 LANDLORD: Puerto Rico Industrial Development Company (PRIDCO).

1.02 (a) LANDLORD'S POSTAL ADDRESS: P.O. Box 362350

San Juan, P.R. 00936-2350

Attn.: Contracts Administration Division

(b) LANDLORD'S PHYSICAL ADDRESS:

355 F.D. Roosevelt Avenue Hato Rey, Puerto Rico 00918 Telephone: (787) 758-4747

Fax: (787) 754-5028

1.03 (a) TENANT: CARIBE GENERAL ELECTRIC

(b) TENANT'S TRADE NAME: CARIBE G.E.

1.04 (a) TENANT'S POSTAL ADDRESS:

AMIR LASTRA, ESQ. El Mundo Office Building Ave. F. D. Roosevelt # 383 San Juan, Puerto Rico 00918 Tel. No. (787) 625-2343

1.05 TENANT'S EMPLOYER IDENTIFICATION NO. 66-0500295

#### 1.06 LEASED PREMISES:

MUNICIPALITY	PROJECT	S/F
Añasco	T-1278-0-80	22,656.20
Añasco	T-0776-0-66, 1-69, 2-74 & 3-89	68,888.12
San Germán	T-0497-0-58, 1-85	50,799.17
San Germán	T-0753-0-66 & 1-89	24,980.77
San Germán	T-0881-0-67	11,637.67
Arecibo	T-0301-0-56, 1-73, T-0303-0-56, 1-58, 2-61	49,708.19
Arecibo	T-0302-0-56-0-81	11,470.71
Vega Alta	S-0174-0-53	74,120.48
Vega Baja	T-1154-0-54 & 1-75	54,220.69
Patillas	S-0726-0-65 & 1-68	85,644.11
Humacao	S-0161-0-53, 1-73 & S-1336-0-82	65,751.49
Viegues	T-0849 & Ext.	22,458.90

#### LOTS:

MUNICIPALITY	LOTS	S/F
Añasco	L-54-2-62-10-0	7,340.01
San Germán	L-049-0-55-10-0	6,288.63
Arecibo	L-065-0-56-08-1	2,322.86
Vega Alta	L-292-0-65-04-B	12,648.01

INICIALS,

O.I.M. Ah. al

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Each of the premises is described in separate Attachments (Projects) to this Lease Agreement, consisting of a parcel of land and a buildings thereon having a gross construction area of 560,883.06 sq. ft. (the "Building"), located as previously stated. The Leased Premises include the special facilities, if any, described in Attachment A. For purposes of this Lease Agreement, the Building's gross construction area includes, without limitation, bathrooms, ramps, access stairs, loading docks, exterior shelters, corridors between buildings or structures and other roofed structures on the parcel of land, as described in Attachment A. Should the Leased Premises consist of various projects, the term "Building" shall be construed to include each and all of the buildings described in Attachment A.

Additional Parcel. Should LANDLORD lease to TENANT a parcel of land in addition to the Leased Premises to be used as a parking facility for the Leased Premises, this additional parcel of land shall appear described in Attachment B hereto (the "Additional Parcel"). Said Attachment B contains the rental amount and the terms and conditions under which the Additional Parcel will be leased to TENANT. TENANT shall, upon receiving possession of the Additional Parcel, execute and deliver to LANDLORD a certificate of delivery for the Additional Parcel in form similar to Attachment C to this Lease Agreement.

- 1.07 PERMITTED USE: The Leased Premises shall be used exclusively to: manufacture electrical devices and related products and the lots shall be used exclusively for parking.
- 1.08 CAPITALIZATION, INVESTMENT AND EMPLOYMENT LEVELS: The minimum level of Capitalization, Investment and number of Employees that TENANT is required to have for its operations at the Leased Premises, as defined in Section 4.02(c) of this Lease Agreement. TENANT will be required to maintain the following levels:

	Capitalization	\$
(b)	Machinery and Equipment	
(c)	Employees	

As used in this Lease Agreement, the term "capitalization" includes the stream of total value ("equity") of the owner (preferred stock, common stock and surplus) plus long-term debt. Amortization of the long-term debt will not reduce the amount originally established as the minimum capitalization amount.

#### 1.09 LEASE TERM:

Landlord and Tenant have negotiated the following renewal agreement:

From January 1<sup>st</sup>, 2007 to December 31, 2008, all leased buildings, including Añasco and San Germán, whose lease agreements expired since December 31, 2006, shall keep it current rental monthly payment, until December 31, 2008, at the same rental rates, that is, without any monthly rental adjustment, as authorized by Landlord's Board of Directors.

#### **CURRENT LEASES STATUS**

MUNICIPALITY	BUILDING	S/F	CURRENT RATE AND TERM	MONTHLY PAYMENT
Añasco	T-1278-0-80	22,656.20	\$2.75 11/08/2011	\$5,192.05
Añasco	T-0776-0-66, 1-69, 2-74 & 3-89	68,888.12	\$2.20 12/31/2006	\$12,629.49
San Germán	T-0497-0-58 & 1-85	50,799.17	\$2.75 12/31/2006	\$11,641.48



O.I.M. 970.

San Germán	T-0753-0-66 & 1-	24,980.77	\$2.20 12/31/2006	\$4,579.80
San Germán	T-0881-0-67	11,637.67	\$2.70 12/31/2006	\$2,618.48
Arecibo	T-0301-0-56, 1-73, T-0303-0-56, 1-58, 2-61 & 3-64	49,708.19	\$3.50 12/31/2009	\$14,498,22
Arecibo	T-0302-0-56	11,470.71	\$3.50 12/31/2009	\$3,345.62
Vega Alta	S-0174-0-53	74,120.48	\$4.10 12/31/2009	\$25,324.50
Vega Baja	T-1154-0-54 & 1- 75	54,220.69	\$4.10 12/31/2009	\$18,525.40
Patillas	S-0726-0-65 & 1- 68	85,644.11	\$1.00 12/31/2009	\$7,137.01
Humacao	S-0161-0-53, 1- 73 & S-1336-0- 82	65,751.49	\$4.10 12/31/2009	\$22,465.09
Vieques	T-0849 & ext	22,458.90	\$0 12/31/2008	\$0

\*\*All properties leased by tenant, equivalent to 560,883.06 sq. ft., of gross construction area, as identified in Clause 1.05, including the properties herein renewed. (Añasco and San Germán) shall be renewed for a ten (10) year term, beginning on January 1<sup>st</sup>, 2009 and ending on December 31, 2018, with a 11 % rental rate increase, as follows:

MUNICIPALITY	PROJECT	S/F	RATE	MONTHLY PAYMENT
Añasco	T-1278-0-80	22,656.20	\$3.05	\$5,758.45
Añasco	T-0776-0-66, 1-69, 2-74 & 3-89	68,888.12	\$2.44	\$14,007.25
San Germán	T-0497-0-58, 1-85	50,799.17	\$3.05	\$12,911.46
San Germán	T-0753-0-66 and 1-89	24,980.77	\$2.44	\$5,079.42
San German	T-0881-0-67	11,637.67	\$3.00	\$2,909.42
	T-0301-0-56,1-73,			
Arecibo	T-0303-0-56, 1-58, 2-61 and 3-64	49,708.19	\$3.89	\$16,113.74
Arecibo	T-0302-0-56	11,470.71	\$3.89	\$3,718.42
Vega Alta	S-0174-0-53	74,120.48	\$4.55	\$28,104.02
Vega Baja	T-1154-0-54 and 1-75	54,220.69	\$4.55	\$20,558.68
Patillas	S-0726-0-65 and 1-68	85,644.11	\$1.11	\$7,922.08
	S-0161-0-53, 1-73 and S-1336-0-	T		\$24,930.77
Humacao	82	65,751.49	\$4.55	
Vieques	T-0849 and ext.	22,458.90	0	\$0

#### LOTS:

MUNICIPALITY	LOTS	S/F	MONTHLY
Añasco	L-54-2-62-10-0	7,340.01	\$2,125.00
San Germán	L-049-0-55-10-0	6,288.63	\$1,667.00
Arecibo	L-065-0-56-08-1	2,322.86	\$625.00
Vega Alta	L-292-0-65-04-B	12,648.01	\$2,000.00

As the term previously described expires, renewals shall take effect automatically for an equal term in force, unless one of the parties hereto, no later than one hundred eighty (180) days before the expiration of such term, notifies the other party of its intention to terminate the lease upon conclusion of the term then in force.



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- 1.10 YEAR: "Year" shall mean 365 consecutive days unless the year in question is a leap year, in such case the term "Year" shall mean 366 consecutive days.
- 1.11 DATE OF DELIVERY OF POSSESSION: N/A
- 1.12 RENT COMMENCEMENT DATE: The date on which TENANT's obligation to pay Basic Rent commences as previously stated. Inasmuch as TENANT is presently in possession of the demised premises pursuant to a certain Lease Contract executed between the parties hereto, TENANT hereby accepts the premises in their present condition.
- 1.13 BASIC RENT: The Basic Rent to be paid to LANDLORD shall be based on the gross construction area of the properties as stated in Article 1.05 of this lease, page number ONE (1).
- 1.14 SECURITY DEPOSIT: Total Security Deposit corresponding to the renewal of 144,668.06 sq. ft., (San Germán and Añasco) and its Lots = 0.

The other properties shall be renewed without security deposit. Any previous deposit shall be transferred to this Master Agreement. Previous Deposits: \$198,582.00

1.15	GUARANTOR:	Name: Address:	N/A
		Telephone: Fax: Attention:	
1.16	defined terms used in definition thereof contains	Article I shall and in this Lease	NED TERM IN ARTICLE I. Each of the be construed in conjunction with the Agreement. In the event of any conflict ance of the Lease Agreement, the latter
1.17	ATTACHMENTS. The Lease Agreement by reintegral part hereof:	following mark ference as if	ed attachments are incorporated in this set forth at length herein and form an
	[ ] Attachment B - L [ ] Attachment C - ( 023A) [ ] Attachment D - C [ ] Attachment E - W [ ] Attachment F - N [ ] Attachment G - F [ ] Attachment H - L [ ] Attachment I - Ac [ ] Attachment J - I [ X ] Attachment K - I	ease of Addition  Certificate of Defeate of Defeate of Defeate of Defeate of Defeate of Improve the Exposite of Improve or Impact of Imp	Delivery of Leased Parcel (Form BRN- elivery of Keys (Form - BRN-033) formed by TENANT ery of Possession Guaranty ments (Deficiencies) nt of Flood Zone et Quantification Form rd of Directors Certification authorizing rent sits Summary italization, Machinery, Equipment and



# ARTICLE II TITLE, AUTHORITY AND DEMISE

- 2.01 <u>Title and Authority</u>. LANDLORD is the owner of the property described in Attachment A hereto and, in such capacity, has full right and lawful authority to lease said property to TENANT and to grant to TENANT all the rights pertaining thereto, subject to the liens, encumbrances and restrictions which may affect it, if any, and the terms and conditions of this Lease Agreement and of its attachments.
- 2.02 <u>Demise</u>. Subject to the terms, covenants and conditions of this Lease Agreement, LANDLORD leases the property described in Attachment A (the "Leased Premises") to TENANT, and TENANT accepts same.

## ARTICLE III LEASE TERM AND POSSESSION

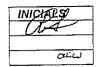
- 3.01 <u>Term.</u> The term of this Lease Agreement (hereinafter the "Term") shall commence and shall expire as stated in Clause 1.09, unless earlier terminated in accordance with the provisions of Article XVIII of this Lease Agreement.
- 3.02 Delivery of Possession of Leased Premises. The exact date on which the Leased Premises shall be delivered to TENANT shall either be set forth in Section 1.11 of this Lease Agreement or attested to in writing by LANDLORD and TENANT in a document in form substantially similar to Attachment D of this Lease Agreement (the "Certificate of Delivery of Keys").

# ARTICLE IV USE OF THE LEASED PREMISES, RESTRICTIONS AND OPERATIONAL REQUIREMENTS

- 4.01 <u>Use of Leased Premises</u>. (a) <u>Authorized Use</u>. TENANT shall use and occupy the Leased Premises solely and exclusively as authorized in Section 1.07 of this Lease Agreement. Any change in the authorized use must be previously approved in writing by LANDLORD.
  - (b) <u>Restrictions</u>. LANDLORD reserves exclusively to itself the air rights over any building or structure forming part of Leased Premises, for any purpose.

#### 4.02 Ongoing Operation; Levels of Capitalization, Investment and Employment.

- (a) <u>Purpose</u>. TENANT acknowledges that this Lease Agreement is entered into in furtherance of the Government of Puerto Rico's economic and industrial development plan. Accordingly, strict compliance with the provisions of this Section 4.02 is a paramount and indispensable requirement of this Lease Agreement.
- (b) Interruption of Operations. In accordance with the previous paragraph, TENANT shall make every effort necessary to maintain uninterrupted its operations at the Leased Premises. However, nothing contained in this section shall be deemed to require TENANT to conduct its operations in any other way than in compliance with sound business principles. The temporary shutdown or interruption of operations for reasonable cause shall not constitute a breach of this Lease Agreement if TENANT has satisfied the following conditions:
  - (i) TENANT shall notify LANDLORD in writing of any interruption or temporary shutdown of operations at least thirty (30) days prior to the scheduled occurrence thereof, except in the event of an emergency interruption or shut

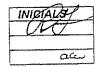


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- down, in which case notice shall be given as quickly as possible but not later than the next business day;
- (ii) the interruption or temporary shutdown of operations shall not last for more than three (3) consecutive months; and
- (iii) during the period of interruption or temporary shutdown of operations, TENANT shall observe and comply with all the terms, conditions and obligations of this Lease Agreement, including, but not limited to, the payment of Rent (Basic and Additional) and the maintenance of the Leased Premises.
- (c) Levels of Capitalization, Investment and Employment. TENANT pledges to have on the Date of Delivery of Possession, and maintain during the Term, a minimum level of capitalization equivalent to the sum indicated in item (a) of Section 1.08 hereof, which sum shall be verified by audited financial statements at the end of every calendar year. In the same manner and in a period of six (6) months after the Date of Delivery of Possession, TENANT pledges to install manufacturing equipment and machinery (either owned or leased) in the Leased Premises, whose value shall represent an investment of no less than the sum indicated in Item (b) of Section 1.08 (this value shall not include the cost of transportation and installation of the equipment and/or machinery, nor its ordinary depreciation after installation). Eighteen (18) months after the Date of Delivery of Possession, TENANT shall have in its employment at least the number of persons indicated in item (c) of Section 1.08 to accomplish the operation of its business at the Leased Premises. TENANT shall maintain the minimum required levels of capitalization, investment and employment set forth in Section 1.08 during the Term of this Lease Agreement including any extensions thereof.

#### ARTICLE V RENT

- 5.01 Basic Rent. As of the Rent Commencement Date set forth in Section 1.12 hereof, TENANT shall pay to LANDLORD the Basic Rent specified in Section 1.13 of this Lease Agreement. The Basic Rent for any renewal period shall be the prevailing lease rate charged by LANDLORD at the time of the renewal period for similar properties in the zone in which the Leased Premises are located; provided, however, that the Basic Rent for a renewal period shall not be less than that of the preceeding lease period. TENANT shall pay the Basic Rent in monthly installments in the amount indicated in Section 1.13 in advance on or before the first day of each calendar month (the "Monthly Rent"); provided, however, that if the Rent Commencement Date does not fall on the first day of a calendar month, the rent for the initial partial month shall be prorated based on a 30 day month and included with the first payment of Monthly Rent due the first day of the first full calendar month following the Rent Commencement Date.
- 5.02 Additional Rent. Any amount TENANT is obligated to pay or reimburse LANDLORD under this Lease Agreement that is not Basic Rent shall be considered to be Additional Rent.
- 5.03 Payment Method. The Basic Rent and the Additional Rent (hereinafter collectively, the "Rent") shall be paid in legal currency of the United States of America. Any payment or charge identified in this Lease Agreement as Additional Rent shall be made on or before the first day of the month following the date the request for payment was sent by LANDLORD to TENANT. All Rent shall be remitted to LANDLORD, delivered either personally or by mail to the address indicated in Section 1.02 of this Lease Agreement, or to any other address that LANDLORD may from time to time notify to TENANT, it being TENANT's duty to take the necessary measures and precautions to ensure that



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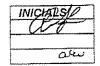
the Rent is received by LANDLORD on or before its due date. The payment of Rent is separate from any other agreement or obligation contained in this Lease Agreement, and shall be paid without the need of previous request or notice by LANDLORD, without set off, adjustment or abatement of any kind, except as otherwise provided for herein. LANDLORD may demand at any time that Rent payments be made by a manager's or official bank check.

#### ARTICLE VI SECURITY DEPOSIT

- 6.01 Security Deposit. Simultaneously with the execution of this Lease Agreement, TENANT shall deliver to LANDLORD a manager's or official bank check, for the amount specified in Section 1.14 of this Lease Agreement (the "Security Deposit"), to guarantee the faithful performance of each and every one of TENANT's obligations, including, but not limited to, the payment of all the Basic Rent, any other expenditure TENANT is responsible for hereunder, and the surrender of the Leased Premises upon expiration of the Term, or at the termination of this Lease Agreement, in the condition and good order required by Article XIX of this Lease Agreement. TENANT shall not have the right to receive interest on the Security Deposit.
- 6.02 Use of Security Deposit. LANDLORD may use all or part of the Security Deposit at any time to cover any payment (including Rent) or expense that, according to the terms and conditions of this Lease Agreement, is TENANT's responsibility. Should it become necessary for LANDLORD to use the Security Deposit as a result of a default or violation of the Lease Agreement by TENANT, TENANT must replace the amount used by LANDLORD within fifteen (15) days of a written demand therefor by LANDLORD.
- 6.03 Surrender of Security Deposit. Upon termination of this Lease Agreement, TENANT shall request in writing the Security Deposit (or the remaining balance after use by LANDLORD to cover any payment (including Rent) or other allowable expense under this Lease Agreement) after LANDLORD (i) has inspected the Leased Premises; (ii) confirms that the Leased Premises have been surrendered according to Article XIX and the other pertinent terms and conditions of this Lease Agreement; and (iii) determines that no environmental deficiencies exist which are attributable to or a consequence of the operations of TENANT at the Leased Premises.
- 6.04 Transfer of Security Deposit. In the event of sale, assignment or transfer of the Leased Premises by LANDLORD to a third party, LANDLORD shall be entitled to transfer the Security Deposit to its successor, who shall thereafter be solely and exclusively liable for the return of the Security Deposit, and LANDLORD shall be released upon said transfer from any claim or liability towards TENANT regarding the Security Deposit or its return upon termination of this Lease Agreement.

# ARTICLE VII ALTERATIONS AND IMPROVEMENTS

- 7.01 <u>General Provisions</u>. Except for the repairs and improvements, if any, TENANT is to make to the Leased Premises according to Attachment E hereto, TENANT takes possession of the Leased Premises, and the special facilities described in Attachment A, if any, in their present "as is" condition and acknowledges that said property is in good state of repair.
- 7.02 <u>Alterations and Improvements</u>. Except for the work described in Attachment E hereto, if any, for which LANDLORD has agreed to reimburse TENANT, all alterations, changes, additions or improvements necessary for the Leased Premises to be used for the purposes set forth in Section 1.07 of this Lease



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Agreement, shall be paid for by TENANT. TENANT shall make no alterations, changes, additions or improvements without LANDLORD's prior written consent except for the work described in Attachment E, if any, which LANDLORD expressly authorizes TENANT to undertake.

- 7.03 Air Conditioning: Electric Power Generator. TENANT may, at its own expense, install an air conditioning system and/or an electric power generator at the Leased Premises, subject to LANDLORD's previous written approval. Any installations of such equipment shall be made in coordination with LANDLORD.
- 7.04 Sprinkler System. TENANT shall implement the necessary security measures to avoid or reduce the risk of fire due to the storage of flammable materials or products. If required by law, TENANT shall install a sprinkler system at its own cost and expense. It shall be TENANT's obligation to obtain the necessary endorsements and/or approvals of the Puerto Rico Fire Department for such installation.
- 7.05 Floor Load. TENANT acknowledges having been informed by LANDLORD that the Building's maximum sustainable floor load is one hundred and fifty (150) pounds per square foot. In the event that the type of machinery and/or equipment to be installed, stored and/or utilized by TENANT for its operations in the Building exceeds said maximum floor load limit, TENANT shall, at its own expense, make the necessary improvements to the Building which will allow the Building floor to sustain the maximum load required by TENANT's operations without affecting or damaging the strength or stability of the Building.
- 7.06 <u>Liens and Encumbrances</u>. (a) TENANT may not create nor allow the filing of any lien against the Leased Premises.
  - (b) TENANT certifies and guarantees that all materials used in or for any construction or work in the Leased Premises shall be free of liens and encumbrances at the time said materials are incorporated into the Leased Premises. At the time the construction or work begins, TENANT shall certify to LANDLORD that the materials to be used are free of liens and encumbrances.
  - (c) TENANT shall immediately notify LANDLORD regarding any lien or attachment on materials or supplies used in construction or work at the Leased Premises which become incorporated into the Leased Premises. Should an attachment be placed upon the Leased Premises or any other type of lien be created that may directly or indirectly affect the Leased Premises, TENANT will quickly take any action, including payment of the amount claimed, necessary to cancel said attachment or lien and release the Leased Premises from the lien in a term not greater than thirty (30) days from the date that the lien is filed. Should the lien not be canceled within the period provided above, in addition to any other rights or remedies available to LANDLORD, LANDLORD may, but is not obligated to, obtain the cancellation of the lien by making payment of the amount claimed, by posting of a bond for the amount of the lien, or by any other procedure that LANDLORD deems appropriate; and any expense incurred in said effort, including attorneys' fees incurred by LANDLORD, shall be paid by TENANT as Additional Rent.
- 7.07 Ownership of Improvements: Surrender. (a) Upon termination of the Lease Agreement, all alterations, changes, additions, or improvements made by TENANT to the Leased Premises with incentives, credits, or other economic assistance from LANDLORD shall be deemed incorporated into the Leased Premises and therefore property of LANDLORD, with no rights of TENANT to any compensation or reimbursement therefore by LANDLORD. LANDLORD may require TENANT to remove, at TENANT's expense, any or all such alterations, changes, additions, or improvements upon termination of the Lease Agreement.

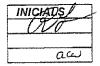


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- (b) Upon termination of the Lease Agreement, TENANT, unless specifically permitted by LANDLORD, shall remove, at TENANT's expense, those improvements i) installed by TENANT in the Leased Premises at TENANT's cost and expense, or ii) described on Attachment H hereto, installed by a prior TENANT and whose ownership was accepted by TENANT, or iii) not identified as special facilities on Attachment A.
- (c) TENANT, after removal of any alterations, changes, additions or improvements, shall restore the Leased Premises to a condition reasonably similar to their condition when delivered to TENANT.
- 7.08 Plans and Specifications. Should TENANT request the consent of LANDLORD to effect any alteration, change, addition, or improvement, LANDLORD may, at its option and in its discretion, require TENANT to submit to LANDLORD for approval plans and specifications for the proposed work, including such work, if any, as described in Attachment E. Sald plans and specifications must be submitted and approved by the pertinent governmental entities prior to TENANT's commencement of any work.

# ARTICLE VIII MAINTENANCE AND REPAIRS

- TENANT's Duties and Responsibilities. (a) Except for those repairs that 8.01 according to Section 8.02 hereof are LANDLORD's responsibility, TENANT shall maintain in good condition, at its own cost and expense, the Leased Premises, with all Improvements including, but not limited to, the exterior premises, the Building, the special facilities, stairs, elevators, ramps, sidewalks, curbs, roads, landscaping, the ground and underground of the Leased Premises, and the pipes, lines, cables or ducts and other utility connections that service the Leased Premises. Any repair to the Leased Premises is TENANT's responsibility, unless said repair is necessary as a consequence of the negligence or some intentional act of LANDLORD, its agents, employees or contractors. As appropriate, TENANT shall (i) repair or replace doors, windows and their frames; the electrical system; the air conditioning and/or ventilation system; the plumbing, sanitary and sewage systems as well as the equipment, machinery, facilities or objects within the Leased Premises or that form part of the Leased Premises with the same type and quality; and (ii) paint the interior and exterior of the Building.
  - (b) TENANT shall also maintain the Leased Premises and its surroundings free of insects, rodents and pests; (ii) free of garbage, refuse, debris and any other solid waste; and (iii) free from unpleasant or offensive odors. Moreover, TENANT shall maintain the drainage and sewer systems of the Leased Premises free from obstructions.
  - (c) If TENANT fails to make any repair or if any repair is performed in an unsatisfactory manner, or if equipment is not replaced when necessary, LANDLORD may, but is not obligated to, undertake any such repair or replacement. TENANT shall reimburse LANDLORD for all costs incurred in any such repair or replacement plus an additional thirty percent (30%) of the cost of any such repair or replacement in order to cover LANDLORD's administrative costs. Any such costs reimbursed by TENANT including the additional percentage charge established above shall be considered Additional Rent, and as such, shall be paid within the period provided in Article V of this Lease Agreement. TENANT shall hold LANDLORD harmless from any damage or inconvenience suffered by TENANT as a consequence of any repairs performed by LANDLORD as provided in this paragraph, and TENANT shall have no rights of adjustment or reduction in Rent in connection therewith.



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- (d) TENANT shall perform all maintenance work necessary to ensure that all its equipment and operations fully comply with the applicable fire prevention standards and environmental requirements, legal or regulatory.
- (e) The provisions of this Section 8.01 shall not be applicable in the case of damage or destruction resulting from fire or any other event covered by Article XIII of this Lease Agreement.
- 8.02 LANDLORD's Duties and Responsibilities. LANDLORD shall be solely and exclusively responsible for any necessary repairs or restorations due to defects in the design of the Building or construction defects thereof, not apparent at the moment TENANT inspected the Leased Premises prior to occupancy. Except as provided in this Section 8.02, LANDLORD shall not be responsible for any repair, replacement or improvement to the Leased Premises or to equipment, machinery, facilities, furniture or any other object within the Leased Premises, all of which shall be the responsibility of TENANT as provided in Section 8.01 of this Lease Agreement.
- 8.03 Roof Care and Maintenance. TENANT shall not, without the previous written consent of LANDLORD: (i) place any fixture, equipment or other load on the roof of the Building; (ii) perforate the Building's roof; or (iii) use the roof of the Building for storage. TENANT shall take all necessary measures to maintain the roof's drainage system free from obstructions and in good and working condition at all times. Prior to undertaking any repairs to the Building's roof, TENANT shall submit in writing to LANDLORD a detailed description of the work to be performed and provide any other pertinent information related to said repairs LANDLORD may request.

# ARTICLE IX PUBLIC UTILITIES

- 9.01 TENANT's Duties and Responsibilities. TENANT shall pay for the cost of electricity, water, gas, telephone and any other utility service to the Leased Premises during the Term of this Lease Agreement, including the period of time, if any, between the Date of Delivery of Possession and the Rent Commencement Date. TENANT shall request and coordinate the installation of metering devices and other mechanisms or systems necessary to obtain the various utility services for the Leased Premises, and shall be liable for any deposit and/or installation charge required by the corresponding agency or utility company.
- 9.02 <u>Service Interruption</u>. TENANT shall not make adjustments to the Rent nor hold LANDLORD liable for any utility service interruption to the Leased Premises or for damages suffered as a consequence of any interruption.
- 9.03 <u>Electricity.</u> (a) <u>Basic System.</u> The Leased Premises, at a minimum, are equipped with a basic electrical power system for general lighting and wall outlets connected to a 200 amp meter box designed for a secondary voltage of 120-208 volts. In the event that the Leased Premises are not connected to the power lines of the Puerto Rico Electric Power Authority (hereinafter "PREPA"), said connection shall be made by TENANT and in coordination with LANDLORD, at TENANT's expense, including the purchase and installation of any equipment necessary to make the connection, which equipment must meet PREPA's requirements.
  - (b) <u>Electrical Substation</u>. TENANT, at its own cost and expense and without any right to reimbursement from LANDLORD, may build, install and maintain in coordination with LANDLORD an electrical substation on the Leased Premises and connect it to PREPA's distribution lines, subject to compliance with PREPA's requirements. Under no circumstances shall TENANT install an electrical substation without LANDLORD's prior approval as to the capacity and





power of said substation, its location within the Leased Premises, and the routing path of the power lines.

- (c) Additional Equipment. TENANT covenants not to install or use any equipment that will exceed or which reasonably could exceed the capacity of the Leased Premises' power lines without LANDLORD's prior consent. TENANT, at its cost and expense, will upgrade the electrical service lines in accordance with the plans and specifications previously approved in writing by LANDLORD should TENANT's operations require greater electrical service line capacity. TENANT will have to build its own electrical substation if its electric power needs exceed 50 KVA.
- 9.04 Water Supply. (a) Should TENANT require water volume and/or water pressure greater than that existing in the area of the Leased Premises, the construction and/or installation of any improvements (including structures), that are necessary, convenient or required by the Puerto Rico Aqueduct and Sewer Authority (hereinafter "PRASA") to increase said volume and/or pressure, shall be made at TENANT's own expense and coordinated with LANDLORD, but without any right to reimbursement from LANDLORD for any such improvements.
  - (b) Should PRASA require improvements to the Leased Premises' water main connection, TENANT shall perform the corresponding improvements at its own expense, and only after written approval has been given by LANDLORD.

# ARTICLE X QUIET ENJOYMENT

10.01 Quiet Enjoyment. Upon TENANT's payment of Rent and observance of all other terms, covenants and conditions of this Lease Agreement that are to be observed and performed by TENANT, LANDLORD covenants that TENANT may peaceably and quietly enjoy the Leased Premises, during the Term, or until the termination of the Lease Agreement in accordance with Article XVIII.

# ARTICLE XI TAXES, ASSESSMENTS AND DUTIES

11.01 Taxes, Assessments and Duties. TENANT shall be liable for the payment of all taxes, assessments, duties or any other tax levied by any government entity having taxing authority over real property, personal property, and/or the activities directly or indirectly related to TENANT's operations at the Leased Premises, including, but not limited to, personal property taxes on equipment and machinery located at the Leased Premises. TENANT shall pay these taxes, assessments, and duties before their due date.

## ARTICLE XII ENVIRONMENTAL

- 12.01 Governmental Regulations and Environmental Protection. TENANT shall comply with all laws, rules, regulations, executive orders, administrative orders and requirements of local and federal governmental agencies having jurisdiction over TENANT's operations at the Leased Premises. Upon request by LANDLORD, TENANT shall submit evidence of said compliance and of any permits, and agency endorsements such as, but not limited to:
  - (i) the Puerto Rico Fire Department;
  - (ii) the Puerto Rico Department of Health;
  - (iii) the U.S. Food and Drug Administration (FDA);
  - (iv) the Puerto Rico Occupational Safety and Health Office (PROSHO);



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- (v) the Puerto Rico Environmental Quality Board (EQB);
- (vi) the U.S. Environmental Protection Agency (EPA);
- (vii) the Puerto Rico Aqueduct and Sewer Authority (PRASA);
- (viii) the Puerto Rico Natural and Environmental Resources Department (DNER);
- (ix) the Regulations and Permits Administration (ARPE);
- (x) the Puerto Rico Planning Board.
- (xi) the Solid Waste Administration
- (xii) the pertinent Municipal Government

TENANT shall maintain the Leased Premises and conduct its operations thereat in compliance with the terms, conditions, and requirements specified in i) the Environmental Impact Statement, or any other document prepared for the evaluation of environmental aspects of its operations at the Leased Premises; and ii) the permits issued by the governmental agencies with jurisdiction over the operations at the Leased Premises.

TENANT, at its own cost and expense, shall install on the Leased Premises the necessary equipment to prevent its operations from affecting adversely the environmental integrity of the Leased Premises, or causing any disturbance to the adjacent properties or to the community in general.

Any improvements or installation of equipment for pollution controls required by any agency or governmental entity having jurisdiction thereof shall be at TENANT's expense and subject to Article VII of this Lease Agreement. TENANT shall also comply with the following permits and regulations, without limitation of any other applicable environmental requirements:

- (a) <u>Wells</u>. LANDLORD will not allow the drilling of a water well at the Leased Premises unless TENANT's operations at the Leased Premises require a volume of water greater than that which PRASA can supply. In such case TENANT will obtain a construction permit and a franchise from the Department of Natural and Environmental Resources to drill such well and to extract water therefrom. For any other type of well (i.e., monitoring, injection, etc.) TENANT shall obtain the necessary permits and LANDLORD's written consent.
- (b) <u>Noise</u>. TENANT shall not exceed the maximum noise levels allowed by the Noise Pollution Control Regulation of the Puerto Rico Environmental Quality Board.
- (c) <u>Air Emissions</u>. TENANT shall obtain all the necessary construction and operational permits necessary to construct, install, and operate any air emissions source or atmospheric pollution source, as defined by the Regulation for the Control of Atmospheric Pollution Sources of the Environmental Quality Board and the Federal Regulations. This includes, but is not limited to (i) ventilation systems to disperse atmospheric emissions resulting from TENANT's operations; (ii) electric power generators for emergency use; (iii) storage tanks for flammable gases with a capacity greater than five hundred (500) gallons; and (iv) fuel storage tanks (gasoline, diesel, kerosene, acetone, alcohol and others) having a capacity of more than ten thousand (10,000 gallons). TENANT, at its own cost and expense, shall establish the necessary measures and shall install the equipment required to maintain the air quality standards established by the existing laws and regulations and any amendments thereto as required by the permits issued by the Environmental Protection Agency and the Environmental Quality Board.
- (d) <u>Gas Storage Tanks</u>. TENANT shall obtain a permit from the Public Service Commission to install and/or store flammable gases in aboveground storage tanks.



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- (e) <u>Underground Storage Tanks</u>. TENANT shall not install underground tanks to store fuels, raw materials or chemical substances. In the event that any such tanks have been previously installed at the Leased Premises and removal thereof would constitute a risk to the Leased Premises or to TENANT's operations, such tanks shall be used only if they comply with federal and state regulations for underground storage tanks.
- (f) Aboveground Storage Tanks. TENANT, if applicable, shall prepare and implement a Spill Prevention, Control and Countermeasure Plan (SPCC Plan) as required by 40 CFR 112 and comply with the requirements of the Environmental Quality Board for the installation and operation of aboveground storage tanks.
- (g) <u>Chemicals</u>. Storage of any chemical substance shall be undertaken in full observance of the applicable safety measures required by the governmental agencies having jurisdiction thereof so as to prevent any leakage or spillage that may contaminate the Leased Premises or adjacent properties.
- (h) <u>Storage of Hazardous Materials</u>. TENANT shall strictly abide by the rules and regulations established by the Occupational Safety and Health Administration (OSHA) for the storage of hazardous materials (29 CFR Part 1910 Subpart H) as well as with the Puerto Rico Code for Fire Prevention. TENANT will comply with the minimum distances set forth in the federal and local codes for the storage of hazardous materials, particularly those materials which are inflammable.
- (i) Industrial and Sanitary Effluents. TENANT shall not discharge its sanitary or industrial effluents into the sewer system nor into any other place until TENANT has obtained the necessary authorization to do so, be it from the Puerto Rico Aqueduct and Sewer Authority, from the Environmental Quality Board, or the Environmental Protection Agency (EPA), as applicable. TENANT shall request and obtain the necessary permits and/or endorsements from the Environmental Quality Board or any other local or federal agency with jurisdiction in order to install and operate any treatment or pretreatment plant or system for said effluents. TENANT must obtain LANDLORD's endorsement and approval to install a treatment or pretreatment plant or system prior to any request for the permits and endorsements of the other pertinent government agencies with jurisdiction. TENANT shall treat its effluents as required prior to discharge, as required by the pertinent governmental agency having jurisdiction.
- (j) Septic Tanks and Systems. Should the Leased Premises have a septic tank or system, such facility can be used only to discharge sanitary effluents. Therefore, TENANT shall not discharge industrial effluents nor any substance nor material other than sanitary effluent into the septic tank or system. Moreover, TENANT must obtain from the Environmental Quality Board a permit to operate said septic tank or system. Any industrial effluent that may be generated and that is not discharged into the Aqueduct and Sewer Authority sewer system or through a discharge permit from the National Pollutant Discharge Elimination System ("NPDES"), shall be disposed of by transporting it to an Aqueduct and Sewer Authority treatment plant, with previous authorization, or to another entity authorized to handle such effluents.
- (k) NPDES Permit. TENANT shall not discharge any industrial effluent into the ground. TENANT shall obtain an NPDES permit to discharge stormwater or other effluents into a body of water. TENANT shall obtain an NPDES permit, if stormwater run-off is exposed to raw materials, unfinished or finished products, waste, by-products, Industrial machinery or equipment, a materials handling area or a process area. TENANT shall obtain, when applicable, the pertinent industrial discharge permit or pre-treatment permit required by PRASA.





- (I) <u>Hazardous Substances</u>. TENANT will not treat, store or dispose of any hazardous substance at the Leased Premises, unless TENANT possesses the necessary permits from the agencies with jurisdiction and such activities are performed in compliance with applicable regulations and the terms and conditions of the permit. TENANT will not generate or store any hazardous substance or waste at the Leased Premises without first obtaining the necessary permits from the local and federal agencies with jurisdiction. The generation and storage of hazardous substances shall be conducted in compliance with applicable environmental laws, regulations and permits. Also, TENANT shall not store hazardous waste at the Leased Premises, without first giving notice to LANDLORD of the location of the storage area and providing evidence of compliance with state and federal regulations as well with the measures LANDLORD considers necessary to protect the Leased Premises. At no time shall TENANT dispose of any hazardous substances or waste at the Leased Premises.
- (m) Non-hazardous Solid Waste. Non-hazardous solid waste generated from the operations at the Leased Premises shall be stored, handled, transported and disposed of in accordance with the Environmental Quality Board's Hazardous and Non-hazardous Waste Control Regulations. TENANT must obtain a permit from the Environmental Quality Board for a Non-hazardous Waste Generating Activity (DS-3), when it generates more than fifteen (15) cubic yards of non-hazardous solid waste weekly during construction activities. TENANT, at its own cost and expense, shall keep the grounds clean and free of solid wastes, rubbish, garbage and debris.
- (n) <u>Equipment or Materials containing Polychlorinated Biphenyls</u> (<u>PCB</u>). TENANT shall not install or introduce equipment or materials containing PCB's at the Leased Premises.
- (o) Reports to LANDLORD In addition to any other information or document that may be required hereunder, TENANT shall provide LANDLORD with the following:
- 1. Written notice, within forty-eight (48) hours, of any event that requires verbal or written notice to the Environmental Protection Agency, the Environmental Quality Board or any entity designated by them, together with, a copy of any order, communication or report regarding the event. This includes, but is not limited to, any notice required under the provisions of the "Emergency Planning and Community Right to Know Act."
- 2. Written notice within forty-eight (48) hours of any change to the hazardous materials handled at the Leased Premises, or if TENANT observes or has any knowledge of an environmental problem at the Leased Premises even if such problem is not a result of TENANT's activities.
  - A copy of all the permits mentioned in this Article XII.
- (p) Audits and Access to the Property. LANDLORD reserves the right to inspect the Leased Premises, from time to time, during the Term of this Lease Agreement as deemed necessary, for the purpose of evaluating the environmental condition of the Leased Premises, and as to TENANT's compliance with federal and state environmental regulations and the provisions of this Article XII. TENANT, for this purpose, will provide LANDLORD with access to all areas or structures on the Leased Premises. TENANT shall provide access to all the books, registers, documents or instruments that LANDLORD deems necessary to determine the environmental condition of the Leased Premises, or compliance with environmental regulations.



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in the event that LANDLORD believes, based upon any inspection performed on the Leased Premises, that TENANT is in material violation of a federal or local environmental law or regulation, LANDLORD shall request TENANT to perform, at TENANT's cost, the environmental site assessments necessary to determine the existence and extent of contamination at the Leased Premises, if any and all activities of removal, mitigation and remediation needed to correct any environmental problem caused by the TENANT at the Leased Premises. TENANT, upon LANDLORD's request, at the termination of this Lease Agreement, shall submit an environmental site assessment, Phase I and/or Phase II, of the environmental condition of the Leased Premises prepared by an environmental consultant of proven experience. The assessment shall determine whether the activities performed by TENANT affected the conditions of the Building and the lot. The assessment shall be performed following the standards established for preparing such reports by the scientific community (ASTM). The assessments shall be signed and certified by an engineer or chemist licensed to practice in Puerto Rico.

In the event that an environmental audit or inspection reveals an environmental deficiency or condition at the Leased Premises, TENANT shall submit an action plan to remedy such situation together with a bond or guarantee to secure payment of the remediation. The plan shall be reviewed and its execution coordinated with LANDLORD.

Emergency Remediation Response Action. In the event of any hazardous substance spill, leak, or escape or any other occurrence which requires the removal of hazardous substances or environmental remediation, TENANT shall be responsible to remedy it immediately. TENANT shall be responsible for hiring, at its own expense, those companies with proven experience and reputation to perform said removal activities and/or environmental remediation and shall carry out all the necessary negotiations to accomplish said removal and/or remediation. Prior to the formation of any contractual agreement with any company or consultant for the removal and/or, remediation, the company or consultant must be approved by LANDLORD. The scope of work prepared by the LANDLORD authorized company shall be submitted to LANDLORD for its approval. In the event of any violation or contamination of the Leased Premises, LANDLORD may request TENANT to remain in the Leased Premises and to continue paying Rent until the Leased Premises are in compliance with local and federal regulations. At all times, TENANT shall be obligated to immediately notify LANDLORD in writing upon occurrence of any event that requires removal of contaminants or environmental remediation and shall coordinate with LANDLORD any clean-up, contamination removal, or environmental remediation before commencement thereof provided that if the event which requires removal of contaminants or environmental remediation should occur during non-working periods, in which case (such as weekends or holidays) TENANT shall immediately notify LANDLORD the next working day. The notice to LANDLORD by TENANT in the event of a spill, leak or escape does not release TENANT of its obligation to notify the pertinent governmental agencies as required by law, regulation, municipal ordinance, judicial order, executive order, administrative order or by any other legal requirement.

Should any environmental mishap occur, such as, but not limited to, a spill, release or leak that poses an imminent danger to human health or to the environment, in addition to taking all such protective measures, responses and notifications as are required by environmental laws, regulations, and permits, TENANT shall cease its operations if TENANT's operations are the direct cause of said environmental mishap until said mishap is controlled and all risk to human life or to the environment is suppressed.

(r) Environmental Conditions Liability. TENANT shall be liable for any environmental damage and the necessary or remedial action as results from



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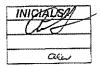
TENANT's operations. TENANT shall indemnify LANDLORD for any lawsuit, civil or criminal action, administrative action, fine, claim, remedial action and/or clean-up and/or pollutant removal action, toxic or hazardous substance or waste as defined in local and federal laws and regulations, that may arise as a result of TENANT's operations or during TENANT's occupation of the Leased Premises. The term contaminant includes petroleum and its derivatives, asbestos, and PCB. TENANT shall also be liable and shall indemnify LANDLORD for any complaint, civil or criminal action, administrative action, fine or claim that arises as a result of any violation of any law, regulation, rule, Administrative Order, Executive Order or environmental requirement of any local or federal governmental entity that arises as a result of TENANT's operations or during the term TENANT occupied the Leased Premises. TENANT's liability toward LANDLORD and its obligation to indemnify LANDLORD shall survive the termination of this Lease Agreement.

#### ARTICLE XIII DESTRUCTION OF PREMISES

- 13.01 Notice of Event. TENANT shall immediately notify LANDLORD after any fire, explosion, spill of hazardous wastes or pollutants (except as otherwise provided in Article XII and Section 13.06 hereof) or any other kind of accident or extraordinary event which causes or threatens damage to the Leased Premises.
- 13.02 LANDLORD's Duty to Repair. Should the Leased Premises be damaged by fire, explosion or any other casualty covered by the insurance policies as required by this Lease Agreement, LANDLORD shall repair or restore the Leased Premises to a condition substantially similar to that before the accident or event, provided that:
  - LANDLORD has received the corresponding insurance proceeds from the insurance company; and
  - (ii) the accident or event causing the damage is not attributable to or did not occur as a consequence of negligence, an omission, or intentional act of TENANT or any of its employees, agents, visitors or representatives; nor as a result of acts by any of them in violation of a federal, state, or municipal law regulation, order, ordinance, or breach of any obligation or condition under this Lease Agreement.

TENANT recognizes that LANDLORD's duty to repair damage or destruction to the Leased Premises is limited to those repairs made possible by the proceeds received as a result of the insurance policies required hereunder, and that TENANT shall be responsible for the deductibles or the amount in excess of the insurance proceeds necessary to cover the costs to repair, reconstruct, or replace the Leased Premises.

- 13.03 <u>Lease Agreement Termination.</u> Notwithstanding the provisions of Section 13.02 hereof, LANDLORD shall have the option to terminate this Lease Agreement in any of the following circumstances:
  - should the insurance policy as required by this Lease Agreement not provide coverage for the accident or event which damages the Leased Premises;
  - the damage suffered by the Leased Premises is such that it exceeds the cost of replacement; or
  - (iii) if the Building and other structures of the Leased Premises, in the opinion of LANDLORD, cannot be repaired in a period





- of one hundred twenty (120) days from the day the accident or event occurred;
- (iv) should the damage to the Building be so extensive that LANDLORD decides to demolish it; or
- (v) should the accident or event occur at any time during the last two (2) years of the Term of this Lease Agreement.

In any of the above circumstances LANDLORD may terminate this Lease Agreement by written notice to TENANT within ninety (90) days from the date the accident or event occurred, in which case both parties are released of any further liability under this Lease Agreement as of the effective date of termination except for those that survive termination pursuant to Article XII hereof.

- 13.04 <u>Restoration</u>. Should LANDLORD have the obligation to repair or restore the Leased Premises according to Section 13.02 hereof, or should LANDLORD not terminate this Lease Agreement as provided in Section 13.03 hereof, and proceeds to repair or restore the Lease Premises, TENANT shall hold LANDLORD harmless for the loss of any equipment, machinery or any other property that TENANT had placed, joined, built-in or installed, or kept at the Leased Premises.
- 13.05 Rent Adjustment. Should the Leased Premises be damaged or destroyed and LANDLORD elects to repair (provided that the cause of the fire or accident is not the result of any negligence, omission, or any intentional act of TENANT, its employees, agents, guests or representatives, nor the violation by any of them of any federal, state, or municipal law, regulation, order, ordinance, nor the failure to comply with any obligation or condition under this Lease Agreement), TENANT shall have a right to adjust the Basic Rent in proportion to the total area of the Leased Premises that becomes unTENANTable during the repair period (i.e., from the date of the accident or event until the date LANDLORD finishes the repair work). Should LANDLORD terminate this Lease Agreement due to any of the causes set forth in Section 13.03 hereof, the Rent shall be due until the date of the casualty or destruction.
- 13.06 <u>Damage Report</u>. In the event of a casualty or disaster, TENANT shall complete and deliver to LANDLORD the form "Disaster Impact Quantification (CD1001)" (Attachment J hereto) within eighteen (18) hours after the occurrence of the event.

## ARTICLE XIV WAIVER OF CLAIMS; INDEMNIFICATION

TENANT shall defend, indemnify and hold harmless 14.01 Indemnification. LANDLORD, its directors, officers, employees, invitees, representatives, successors and assignees of liability from any loss, claim, fine, penalty, attachment, action or complaint of any type or kind, including any incidental expense or cost (including, but not limited to, defense costs, settlement and attorney fees) in relation to or as a consequence of any damage to a third party (including death), or any damage, loss or destruction of any third party's property, (a) in or around the Leased Premises due to any act or omission of the TENANT or any of its employees (whether or not said act is within the scope of employee's job), agents, authorized persons, visitors, successors or assignees, or caused wholly or in part by any act or omission of any of the former or (b) due to the use or occupation of the Leased Premises by TENANT, its agents, employees, invitees, or visitors; (ii) violation of any federal or state law or regulation, or municipal ordinance, or of any judicial or administrative order, as a direct indirect consequence of the use or occupation of the Leased Premises by TENANT; (III) or due to breach of any of the obligations under this Lease



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Agreement. The provisions of this Article XIV shall survive and remain in full force after the expiration of the Term or the termination of this Lease Agreement.

- 14.02 Waiver of Claims. LANDLORD shall not be liable, and TENANT releases LANDLORD and waives any claim against LANDLORD, for any damage to or loss of any property located at the Leased Premises which belongs to LANDLORD and/or its agents, employees, invitees and/or visitors, and for any other damage or loss suffered by TENANT, or any damage or loss to TENANT which arises from fire, steam, or smoke; short circuit; water, electricity, gas or other utility failure; rain, storms, hurricanes or other weather conditions; flood or leakage; defects in pipes, cables, appliances, plumbing and/or air conditioning systems, regardless if such damage or inconvenience is the result of the condition or working order of the Leased Premises, or any part of it. LANDLORD shall not be liable for any damage or loss suffered by TENANT and/or its agents, employees, invitees and visitors as a result of criminal conduct, intentional acts, and/or negligent or intentional acts of a third party or of TENANT, its agents, employees, invitees and/or visitors. TENANT waives and shall be barred from filing any claim against LANDLORD for any damage or loss at the Leased Premises or to any person or property within the Leased Premises for any cause other than gross negligence by LANDLORD.
- 14.03 TENANT Responsible for Personal Property. TENANT recognizes that LANDLORD shall not be liable and waives any claim for any damage to personal property in the Leased Premises that belongs to TENANT, or for the theft or misappropriation thereof. TENANT bears all risk for any damage or loss of any personal property of TENANT.

#### ARTICLE XV INSURANCE

- **15.01** <u>Insurance.</u> During the Term of this Lease Agreement, TENANT shall maintain in force the following insurance policies:
  - (a) commercial general liability, including contractual liability, with limits of not less than \$1,000,000 for bodily injury (including death) and \$1,000,000 for property damage, per occurrence, which will insure TENANT against any claim for accidents in or around the Leased Premises due to use or occupation of the Leased Premises by TENANT. This insurance shall include LANDLORD and its agents, officers, directors and employees as additional insured, and said policy shall include a "fire legal liability" endorsement;
  - (b) property insurance with "All Risk" coverage, for one hundred percent (100%) real property replacement cost, including foundations, with an extended coverage endorsement, which names LANDLORD as beneficiary in case of loss. This insurance shall include coverage for fire, hurricanes, floods, earthquakes and other events of a similar nature, vandalism and malicious mischief, boilers and machinery (if applicable) in building format and content, including all changes, alterations, extensions and improvements made by TENANT to the Leased Premises;
  - (c) pollution liability if required by LANDLORD because of the type of the operations carried on by TENANT; and,
  - (d) any other insurance over the Leased Premises which provides adequate coverage for those insurable risks that are common for property similar to the Leased Premises.

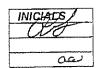
The deductibles of the insurance policies herein required shall be TENANT's responsibility and should LANDLORD undertake any repairs after any loss or damage to the Leased Premises, TENANT shall reimburse LANDLORD



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the deductible payable under the insurance policy, together with any amount paid by any insurance provider.

- 15.02 <u>Insurance During Construction</u>. During any construction period at the Leased Premises, including the work to be performed by TENANT described in Attachment E, if any, TENANT must have in force the following insurance policies:
  - "builders risk" insurance which provides coverage for all improvements that are being constructed, equivalent to one hundred percent (100%) of their replacement value;
  - if the estimated cost of construction is over five thousand (ii) dollars (\$5,000), TENANT must, at TENANT's own cost and expense, provide LANDLORD with a performance bond from a surety company recognized and approved by LANDLORD, or other satisfactory guarantee acceptable to LANDLORD, in a sum equal to the estimated cost of said construction to guarantee completion of any construction within a At LANDLORD's option, instead of reasonable time. TENANT's obtention of a separate bond or guarantee for each project that may be in process at any given time, TENANT shall provide LANDLORD with one bond or guarantee that covers all alterations, changes, additions or improvements and other construction occurring at the same time; and,
  - (iii) Workers' Compensation from the State Insurance Fund Corporation in such coverage amounts as required by law.
- 15.03 <u>Insurance Policy Increase</u>. TENANT will pay any premium increase required by an insurance company to cover additional risks resulting from any alteration, change, addition or improvement made by TENANT to the Leased Premises.
- 15.04 General Requirements. All insurance policies required of TENANT under this Article XV must comply in form and substance to LANDLORD's requirements, and must provide the following: (i) that the insurance coverage may not be reduced, canceled or not renewed by the insurance company without written notice to LANDLORD and TENANT at least sixty (60) days in advance (unless said cancellation is due to failure to pay premium, in which case notice must be sent at least thirty (30) days in advance); and (ii) that the policy shall be immediately renewed by TENANT on or before its expiration date. TENANT must obtain said policies from insurance companies duly authorized to do business in Puerto Rico, and acceptable to LANDLORD. Said insurance companies shall have a classification of not less than "A" and a financial rating of "IV" or better, as rated by A.M. Best and Company.
- 15.05 Insurance Certificates. Before the Date of Delivery of Possession TENANT shall submit to LANDLORD the policies (or certified copies) of same required under this Article XV with all the mentioned endorsements, and certificates of insurance which evidence the required coverage by Sections 15.01 and 15.02 of this Lease Agreement. TENANT expressly recognizes LANDLORD's right not to deliver the Leased Premises to TENANT until two (2) days after the policies (or certified copies) and the insurance certificates have been submitted to LANDLORD, as required in this section.
- 15.06 Evidence of Payment; Renewal of Policies. TENANT must deliver to LANDLORD satisfactory evidence of payment of the insurance premiums within fifteen (15) days of the respective renewal dates of the respective policies and at



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the same time submit the corresponding insurance certificate or certified copy of each renewed policy.

- 15.07 Claims. TENANT shall cooperate with LANDLORD in the collection of claims against the corresponding insurance companies in those cases where LANDLORD handles such claims, including the preparation of damage reports and other documents required to process the claim. In the event TENANT does not provide said documents, LANDLORD, as TENANT's agent and attorney-infact, shall, in addition to any other remedy available to LANDLORD, execute and submit any evidence of loss and/or any other document necessary for collection of the claim.
- **15.08** Periodic Reviews. LANDLORD reserves the right to review and demand periodically increases in the limits of the coverages required in this Lease Agreement as results from the effects of inflation.
- 15.09 Penalties. Notwithstanding the provisions of Section 22.08, and without affecting the general terms of the matters stipulated therein, should TENANT breach its duty to obtain any of the policies required in Article XV, which as a result renders it necessary for LANDLORD to obtain said policies, in addition to reimbursement for the premium paid for said policies, TENANT shall pay LANDLORD a sum equal to twelve percent (12%) of the cost of the policies obtained by LANDLORD to cover LANDLORD's administrative costs.
- 15.10 Waiver of Subrogation. (a) LANDLORD and TENANT agree that all fire and extended coverage and other property damage insurance carried by either of them in relation to the Leased Premises shall be endorsed with a clause providing that any release from liability or waiver of claim for recovery from the other party entered into in writing by the insured thereunder prior to any loss or damage shall not affect the validity of said policy or the right of the insured to recover thereunder, provided that the insurer waives all rights of subrogation which such insurer might have against the other party. Any release or any waiver of claim shall not be operative in any case where the effect of such release or waiver is to invalidate any insurance coverage or invalidate the right of the insured to recover thereunder. Should any waiver of subrogation result in a premium increase, TENANT shall, within ten (10) days of notice, pay said increase in order to maintain the effectiveness said release or waiver.
  - (b) Neither LANDLORD nor TENANT shall be liable to the other or the insurance company that provided the coverage for any loss or damage to any building or structure of the Leased Premises for the loss of income either through subrogation or any other form, regardless if such loss or damage be, in whole or in part, caused by a negligent act or omission of the other party, its agents, officers, directors or employees, to the extent that such loss or damage is covered by insurance policy in favor of the affected party.

#### ARTICLE XVI LANDLORD'S RIGHTS

16. 01 Access to Leased Premises. LANDLORD shall be entitled to enter the Leased Premises for the purposes of inspection to perform any repairs or work required pursuant to the provisions of this Lease Agreement, or for those repairs or work which TENANT has failed to do despite being responsible therefor under this Lease Agreement, or to show the Leased Premises to persons interested to lease or acquire the same. This right to access is subject to the following conditions: (a) if due to any emergency situation, which LANDLORD shall determine at its discretion, LANDLORD shall have full access to the Leased Premises at any time; (b) under any other circumstances LANDLORD shall have access to the Leased Premises during normal business hours; and (c)



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LANDLORD must maintain at a minimum any interruption to TENANT's operations during any exercise of its rights under this Article.

### ARTICLE XVII TENANT BANKRUPTCY

- 17.01 Lease Agreement Assumption Requirements. The following provisions shall apply upon commencement of a voluntary or involuntary case under Title 11, United States Code, wherein TENANT is a debtor under 11 U.S.C. §§101 et. seq. (the "Bankruptcy Code"), and only insofar as the Bankruptcy Code applies or affects the provisions of this Lease Agreement.
  - (a) Should the trustee or "debtor in possession" not elect to assume this Lease Agreement within a period of sixty (60) days from the commencement of proceedings under the Bankruptcy Code, this Lease Agreement shall be deemed rejected and terminated as provided under Article XVIII of this Lease Agreement (including any provisions as to damages) giving LANDLORD the immediate right to repossess the Leased Premises.
  - (b) Any assumption and/or assignment of this Lease shall not take effect unless there is compliance with the following:
    - (i) all TENANT's defaults have been cured and LANDLORD has been provided with adequate and reasonably satisfactory assurances of TENANT's future performance; if the Lease Agreement is assigned, TENANT shall provide (1) any guarantee and/or deposit reasonably required, and (2) any other reasonable assurance that there will be sufficient funds and personnel available to operate the Leased Premises in strict compliance with the provisions of this Lease Agreement;
    - (ii) neither the assumption of this Lease Agreement nor the operation of the Leased Premises after this Lease Agreement has been assumed or assigned, in the reasonable opinion of LANDLORD, will cause or result in breach or violation of any of its provisions or of any other applicable contract with LANDLORD;
    - (iii) the assumption, and if applicable, the assignment of this Lease Agreement fully complies with the provisions of the Bankruptcy Code, including, but not limited to Sections 365(b)(1) and (3) and 365(f)(1) and (2) thereof; and
    - (iv) the assumption and/or assignment has been ratified and approved through an order of the Bankruptcy Court or any other court having jurisdiction.
  - (c) No assignment of this Lease Agreement by the trustee or the "debtor in possession" shall be valid unless the proposed assignee has also satisfied the conditions provided in paragraphs (b) (i), (ii), (iii) and (iv) of this section, and all other requirements established in this Lease Agreement which further LANDLORD's public policy of promoting employment and the industrial development of Puerto Rico, which is accomplished by observing the capitalization, investment and employment levels stated in Section 1.08 and the continuance of operational requirements set forth in Section 4.02 of this Lease Agreement.
  - (d) Whenever a "debtor in possession" is required under the Bankruptcy Code to comply with its obligations as TENANT under this Lease Agreement, the Basic Rent and the other charges identified in this Lease



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Agreement as Additional Rent shall not be subject to adjustment and must be paid in full as provided in the pertinent sections of this Lease Agreement.

- (e) Pursuant to Section 22.01 of this Lease Agreement, except where the provisions of the Bankruptcy Code mandate otherwise, the assignment of this Lease Agreement is prohibited.
- (f) Unless agreed to by LANDLORD, under no circumstances will this Lease Agreement be renewed if the Term has expired or the Lease Agreement has terminated according to its provisions. No bankruptcy procedure shall annul, postpone or affect the expiration or termination of the Term of this Lease Agreement as provided in Article XVII or prevent LANDLORD from recovering possession of the Leased Premises at the expiration of the Term or upon earlier termination of this Lease Agreement.

### ARTICLE XVIII TERMINATION BY BREACH

- 18.01 <u>Breach by TENANT as Cause for Termination</u>. In addition to, and separate from, any other cause for termination set forth in this Lease Agreement or available under applicable law, each of the following events or acts shall be considered a breach and constitute cause for termination, which termination will be effective upon written notice to TENANT:
  - (a) TENANT's failure to pay the Rent to LANDLORD within the term provided in Section 5.01 of this Lease Agreement, or upon failure to pay any other sum required to be paid hereunder within ten (10) days after its due date;
  - (b) TENANT's failure to pay the Rent to LANDLORD on or before the first day of the month, or failure to pay any other amount when due, on two or more occasions within any consecutive twelve (12) month period;
  - (c) TENANT's abandonment of the Leased Premises (as defined in Section 18.03 of this Lease Agreement), upon certification of such abandonment by the procedure provided in clause (b) of Section 18.03;
  - (d) if TENANT encumbers, assigns or transfers this Lease Agreement, in whole or in part, except as otherwise provided in this Lease Agreement;
  - (e) if TENANT makes a general assignment of its assets in benefit of its creditors;
  - (f) if TENANT fails to take physical possession of the Leased Premises within ten (10) days following the Date of Delivery of Possession;
- 18.02 Other Causes for Termination. In addition to the causes for termination set forth in Section 18.01, LANDLORD may terminate this Lease Agreement if TENANT fails to comply with any of TENANT's principal obligations hereunder within fifteen (15) days of receipt of written notice from LANDLORD requesting performance of any principal obligation. However, if TENANT shall have begun efforts toward performance within said fifteen (15) day period and continues to act diligently and makes every reasonable effort to perform, said period of fifteen (15) days may be extended by LANDLORD for a maximum period of sixty (60) days, as necessary for TENANT's performance of any principal obligation. Principal obligations under this Lease Agreement include, but are not limited to, the following:
  - TENANT's compliance with the levels of capitalization, investment, and employment as set forth in Section 1.08 of this Lease Agreement;



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- (ii) the duty of TENANT to not interrupt operations at the Leased Premises without prior notice to LANDLORD as provided in Section 4.02(b) of this Lease Agreement and that such interruption will not last for a period in excess of that period notified to LANDLORD. No interruption shall exceed three (3) months;
- (iii) the obligation of TENANT, when required hereunder, to submit any plans for LANDLORD's approval or any other Information in connection with improvements and alterations to be made by TENANT to the Leased Premises;
- (iv) the compliance by TENANT of the environmental provisions of Article XII of this Lease Agreement; and
- (v) the prohibition to use or allow the Leased Premises or any part thereof to be used for illegal purposes or for a use that is not permitted by Section 1.07.
- TENANT acknowledges that the Puerto Rico Industrial 18.03 Abandonment. Development Company was established with the public purpose of promoting the creation of jobs and the continuous industrial development of Puerto Rico; that the capitalization, investment and employment levels, as detailed in Section 1.08 hereof, and the requirement of continued operations at the Leased Premises, in compliance with the provisions of Section 4.02 hereof, serve to that public purpose. In order to continuously and consistently comply with said public purpose, LANDLORD must maintain as available inventory the largest possible number of industrial facilities for the development of new projects or industries. Acts such as those described in clause (a) below, of this Section 18.03, defeat the purpose of this Lease Agreement, diminish the powers of the LANDLORD to maintain the largest number of industrial facilities in operation and in turn, impair LANDLORD's ability to pursue its established purpose. Therefore, TENANT recognizes that the delivery to LANDLORD of the keys to the Leased Premises constitutes conclusive proof of TENANT's intention to abandon the Leased Premises and any equipment, machinery, furniture or other property found within. TENANT also recognizes the fact that the voluntary abandonment of property at the Leased Premises through the delivery of the keys is incontrovertible evidence of TENANT's decision to forsake such property and renounce ownership thereof, giving LANDLORD the absolute right to dispose of said property, as established in clause (b)(ii) below.
  - (a) For the purposes of this Lease Agreement TENANT has abandoned the Leased Premises upon the occurrence of any of the following events:
    - should the TENANT deliver to LANDLORD the keys to the Leased Premises;
    - should the TENANT cease operations and close down the Leased Premises, notwithstanding that equipment, machinery, furniture or other property remain thereat; and/or
    - (iii) if TENANT removes or transfers its operations, personnel or equipment at the Leased Premises to another location, without the consent of LANDLORD.
  - (b) The following procedure is adopted by the parties hereto to confirm the act of "abandonment" by TENANT under clause (a) of this Section 18.03:



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- (i) If TENANT has incurred in any act of abandonment described in Section 18.03(a) hereof, LANDLORD will send TENANT, by certified mail, return receipt requested, a notice which will describe the act of abandonment committed by TENANT. From the date of said notice, TENANT shall have fifteen (15) days to discontinue the abandonment or to dispute in writing the information contained in LANDLORD's notice. Should the act of abandonment notified by LANDLORD continue for more than the fifteen (15) days provided herein, LANDLORD shall send a second notice to reconfirm the act of abandonment, which notice will be effective at the time the notice is sent.
- (ii) Once the act of abandonment is reconfirmed as provided in clause (b)(i) above, LANDLORD may declare this Lease Agreement terminated by notice to TENANT and such termination shall be effective as of the date mailed. The notice will contain a request to TENANT to remove within ten (10) days all equipment, machinery furniture or other property remaining at the Leased Premises, and contain a warning to TENANT that if such property is not removed in that time period, LANDLORD may either remove and store said property, at its own discretion, at the expense and cost of TENANT, or dispose freely of said property as it deems convenient and TENANT will have no right to claim or be compensated for the value of the abandoned property or for any damage or loss caused by such removal by LANDLORD.
- (c) Subject to the performance of the procedure previously described, TENANT waives any claim and releases and holds LANDLORD harmless from any damage or loss that TENANT may suffer as a consequence of the removal and disposal of the property that TENANT has abandoned at the Leased Premises.
- 18.04 <u>Termination by TENANT</u>. TENANT may terminate this Lease Agreement, without penalty, should any of the following events occur:
  - (a) TENANT moves its operations to another of LANDLORD's premises having greater capacity, for the purpose of augmenting its operations in terms of capitalization, investment, or employment, if at such time TENANT is in compliance with the terms and conditions of this Lease Agreement; provided, however, that all expenses related to or resulting from said relocation shall be TENANT's responsibility; or
  - (b) should TENANT be denied a tax exemption for the production of one or more eligible manufactured products under the Puerto Rico Industrial Incentives Act, after having applied for said exemption with the Office of Industrial Tax Exemption; provided that the right to termination for this cause may only be exercised within thirty (30) days from the date of notice of denial. No TENANT whose manufacturing process was determined to be non-eligible for a tax exemption prior to entering into this Lease Agreement is eligible to terminate the Lease under this section.
- 18.05 <u>LANDLORD's Options</u>. (a) LANDLORD may terminate this Lease Agreement upon TENANT's breach of any of its obligations hereunder, or upon occurrence of any of the events of termination set forth in Sections 18.01 and 18.02 hereof. Said notice shall be given by certified mail with return receipt requested. The termination of this Lease shall become effective on the date indicated in said notice..



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- (b) Notwithstanding subsection (a), LANDLORD may always compel specific performance of the terms and conditions of this Lease Agreement and demand and protect its rights under this Lease Agreement through legal proceedings in law or equity to obtain the faithful performance of the covenants and obligations hereunder, including the payment of all amounts due under this Lease Agreement.
- (c) Should any cause for termination arise, LANDLORD shall have available all the rights and remedies provided herein, which are separate and independent. LANDLORD's resort to any particular right and/or remedy will not deprive LANDLORD of any other right or remedy available at law or in equity.
- (d) In the event LANDLORD terminates this Lease Agreement, TENANT's economic and environmental obligations and any other obligations of TENANT hereunder shall survive the termination and remain in effect until they are complied with to LANDLORD's satisfaction.
- 18.06 <u>Damages</u>. If LANDLORD elects to terminate this Lease Agreement in accordance with Section 18.05 hereof TENANT shall be responsible for payment of the following:
  - (i) all Rent due and unpaid up to the date of termination;
  - (ii) all losses, damages and costs incurred by LANDLORD as a consequence of the early termination of this Lease Agreement including, but not limited to expenses related to any notices by LANDLORD to terminate this Lease Agreement; collection costs; attorneys' fees during the termination process; and the costs of court proceedings, if any; the costs to repair the Leased Premises in order to restore them to the condition in which TENANT would have been obligated to deliver the premises had an early termination not been effected; and expenses incurred by LANDLORD to relet the Leased Premises in accordance with Section 18.07 of this Lease Agreement; and
  - (iii) damages equivalent to the total amount of Basic Rent corresponding to the unexpired portion of the Term (i.e., the Basic Rent for the period between the date of termination and the expiration date of the Term in accordance with Sections 1.09 and 3.01 hereof), that LANDLORD would have received had the Lease Agreement not been terminated.
- 18.07 Right to Relet. (a) At any time after LANDLORD recovers possession of the Leased Premises or any portion thereof, whether or not this Lease Agreement is terminated pursuant to Section 18.05, LANDLORD may, but is not obligated to, relet the Leased Premises or part thereof, in TENANT's name (as a sublease) or in LANDLORD's own name, as LANDLORD deems it convenient. The reletting of the Leased Premises, or part thereof, shall be for a term and under conditions as LANDLORD, in its own discretion, determines advisable; including that the term of any relet may be for a period longer or shorter than the remaining balance of the Term hereunder. Any relet may include special provisions, such as rent credits, a rent lower than that fixed under this Lease Agreement, or no rent. TENANT acknowledges that the damages formula under Section 18.06 is not subject to adjustments should LANDLORD elect not to relet the Leased Premises or because the Leased Premises or part thereof is leased to a third party at a rent lower than that of this Lease Agreement.



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## ARTICLE XIX RETURN OF LEASED PREMISES

- 19.01 <u>Surrender of Possession</u>. Upon termination of this Lease Agreement, at the expiration of the Term or otherwise, TENANT must vacate and surrender the Leased Premises to LANDLORD in good condition, reasonable wear and tear excepted, including all improvements, changes, or alterations made thereto with LANDLORD's consent and which LANDLORD does not require to be removed.
- 19.02 Holding Over. Should TENANT remain in possession of the Leased Premises after the expiration of the Term and does not execute a new lease agreement with LANDLORD, LANDLORD at its option may consider the tenancy of the Leased Premises to be on a month-to-month basis, with a Rent equal to one hundred fifty percent (150%) of the last Monthly Rent amount under the Lease Agreement, subject to all other terms and conditions of this Lease Agreement consistent with a month-to-month term. TENANT shall indemnify LANDLORD for, and hold LANDLORD harmless from and against any damages, liabilities or expenses (including attorneys' fees) which result from TENANT's delay in surrendering the Leased Premises, including, without limitation, any claims made by succeeding TENANTs or third parties with LANDLORD had committed the Leased Premises, or part thereof. Acceptance of Rent after termination of this Lease Agreement shall not constitute in itself a renewal or novation of this Lease Agreement. None of the foregoing shall be deemed to constitute a waiver by LANDLORD of its right to recover the Leased Premises or any other right or remedy that LANDLORD may have under law, equity, or under this Lease Agreement.
- 19.03 Inspection of Leased Premises. Upon expiration of the Term or termination of this Lease Agreement and prior to LANDLORD's acceptance of possession, the Leased Premises shall be inspected by LANDLORD, who shall certify in an inspection report the physical and environmental condition of the Leased Premises. The inspection report shall identify any deficient physical or environmental condition(s) of the Leased Premises that must be corrected, remedied, or repaired at TENANT's cost as a condition precedent to LANDLORD's acceptance of possession of the Leased Premises. Should TENANT fail take the corrective action required by the deficient condition of the Leased Premises as indicated in the inspection report within a reasonable time, LANDLORD may, but is not obligated to, perform the same, and TENANT shall reimburse LANDLORD for the cost of the corrective action.
- 19.04 Equipment, Machinery, and Furniture Not Removed. Any equipment, machinery, furniture or other property of TENANT remaining at the Lease Premises after termination of the Term or the termination of this Lease Agreement may be removed by LANDLORD and stored in another location, and TENANT will be responsible for the removal and storage costs. In no event shall LANDLORD be liable for the value, preservation, or care of said property. Any sum that LANDLORD must pay or spend for removal and storage of the property shall be reimbursed by TENANT. Any equipment, machinery, furniture or other property not claimed within a term of thirty (30) days after the expiration or termination of this Lease Agreement, shall be deemed abandoned by TENANT. At LANDLORD's option, the property deemed abandoned by TENANT shall be transferred to LANDLORD without any other formality or document, and LANDLORD shall be entitled to freely dispose of the same without TENANT having any right or claim to any payment or consideration for said property.
- 19.05 TENANT's Liabilities. Neither the expiration or termination of this Lease Agreement, nor the repossession of the Leased Premises or part thereof, nor the reletting of the Leased Premises or any part thereof, pursuant to the provisions hereof, shall release the TENANT of its financial or other obligations under this Lease Agreement, which obligations shall survive the expiration or termination of



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this Lease Agreement, as well as repossession or reletting of the Leased Premises.

### ARTICLE XX LEGAL REQUIREMENTS

- 20.01 Legal and Insurance Compliance. (a) TENANT, at its own cost and expense, shall observe and comply with (i) any requirement or condition under any federal, state or municipal law or regulation (including any executive order or municipal ordinance) applicable now or in the future to the Leased Premises, or to the use of the Leased Premises (including but not limited to any federal, state or local law, regulation or ordinance applicable to air and water quality, toxic or hazardous materials or substances, waste disposal, emissions or any other environmental matter); (ii) all requirements or conditions to obtain, maintain, and when appropriate, renew all permits and endorsements necessary to use the Leased Premises for the purposes allowed by this Lease Agreement and by the use permit issued by ARPE for the Leased Premises; (iii) the requirements of the insurance companies having issued policies for the Leased Premises as provided by Article XV of this Lease Agreement; (iv) any real estate condition, lien or encumbrance affecting the Leased Premises; (v) all zoning and land use requirements; and (vi) any other requirement imposed by law that compels any duty or obligation with respect to the use or occupation of the Leased Premises.
  - (b) TENANT's compliance with any requirement described above shall be at TENANT's cost and expense, including, but not limited to, any other expense related to improvements or installations required by any agency or government instrumentality with jurisdiction, as a condition to the issuance or renewal of a permit or endorsement for the operations that TENANT is to carry out at the Leased Premises.
  - (c) TENANT, upon request of LANDLORD, shall submit evidence of its compliance with the above requirements or of the validity of permits and endorsements of the administrative agencies TENANT requires for its operations at the Lease Premises.

## ARTICLE XXI ASSIGNMENT AND SUBLEASE

- 21.01 Assignment and Sublease. TENANT shall not (i) assign this Lease Agreement, sublet the Leased Premises or any part thereof, mortgage its leasehold right over the Leased Premises or otherwise place a lien upon its right or any interest in this Lease Agreement in favor of any person or entity; (ii) allow by operation of law the constitution of any lien over TENANT's leasehold right over the Leased Premises or the transfer of TENANT's leasehold right over the Leased Premises to a third party; (iii) allow the use or occupation of the Leased Premises, or part thereof, by any person or entity that is not TENANT, its agents or employees. Except as provided in Article XVII of this Lease Agreement, under no circumstances may this Lease Agreement be assigned in a voluntary or involuntary bankruptcy proceeding, and under no circumstances shall this Lease Agreement or the rights or privileges granted to TENANT herein constitute an asset of TENANT under a bankruptcy, insolvency or reorganization proceeding.
- 21.02 Change of Control. The transfer of TENANT's voting stock, a change of control in TENANT or change in the persons or entities having a direct or indirect interest in a TENANT that is not a corporation (any of the foregoing hereinafter a "change of control"), shall be considered as an assignment for purposes of this Article XXI. Nevertheless, the above shall not apply to transfers of shares of voting stock traded in a nationally recognized stock exchange or reported through a national quotation system, provided that those shares transferred remain outstanding in said market or quotation system after the transfer. For



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purposes of this Section 21.02, a change of control of a corporation shall be deemed to have occurred at any time and as frequently as the persons who hold the majority of voting stock of said corporation as of the date of this Lease Agreement, or who immediately after the date on which any change of control occurs, cease to be owners of the majority of said stock, be it in one or a series of transactions. The term "voting stock" means the stock of a corporation regularly having voting rights in the election of corporate directors. In the case of a partnership, a change of control shall be deemed to have occurred at any time that a change in any of the managing partners of said partnership occurs.

21.03 Permitted Assignments and Subleases. As an exception to the general rule established in Section 21.01 of this Lease Agreement, and subject to LANDLORD's prior consent, TENANT may assign its rights under this Lease Agreement, or sublease the Leased Premises or a part thereof, to any parent, affiliate, or subsidiary whose operations are compatible with those of TENANT. LANDLORD's consent to the assignment or sublease will require TENANT to be in full compliance with its obligations under this Lease Agreement, including the payment of Rent.

### ARTICLE XXII GENERAL PROVISIONS

- 22.01 <u>Signs and Advertising</u>. TENANT shall not install or permit to be installed or erected any poster, sign or structure of any kind on the roof or exterior walls of the Building or in any other part of the Leased Premises without previous written consent of LANDLORD.
- 22.02 Parking. Should the number of parking spaces available at the Leased Premises not satisfy TENANT's requirements, LANDLORD shall not be responsible for TENANT's parking requirements, and TENANT hereby releases LANDLORD of any duty or responsibility with respect to parking.
- 22.03 Attorneys' Fees. TENANT shall pay all of LANDLORD's charges and expenses, including court costs and attorneys' fees in any action (a) commenced by LANDLORD in order to obtain TENANT's compliance with any of its obligations and commitments under this Lease Agreement, or said charges and expenses incurred by LANDLORD in any action filed by TENANT in which LANDLORD prevails. TENANT shall pay all charges and expenses including court costs and attorneys' fees incurred by LANDLORD in any litigation, negotiation, or transaction in which TENANT requires LANDLORD's intervention or participation, where no fault or negligence is claimed against LANDLORD.
- 22.04 Successors and Assignees. This Lease Agreement shall bind and inure to the benefit of each of the parties, in their respective capacities as LANDLORD and TENANT, and their respective successors and assigns; provided, however, should title to the Leased Premises be transferred, either voluntarily or by operation of law, the entity or natural person acquiring title shall take title free of all liability to perform this Lease Agreement, unless the entity or natural person expressly assumes and accepts the obligations as LANDLORD under this Lease Agreement by means of a written instrument in which the new titleholder and TENANT appear.
- 22.05 LANDLORD's Obligations to Lease. (a) The mere delivery to TENANT of an unsigned draft of this Lease Agreement for TENANT's review and consideration does not create in TENANT a right of option nor does it bind LANDLORD in any way to lease the Leased Premises to TENANT. LANDLORD's obligation to lease under this Lease Agreement shall not be binding until LANDLORD has executed same upon approval by LANDLORD's Board of Directors or LANDLORD's Executive Director, as the case may be.

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- (b) TENANT shall have thirty (30) days after receipt of the final lease agreement prepared for the Leased Premises to execute same. Should TENANT not execute and return the lease agreement to LANDLORD within thirty (30) days after receipt, LANDLORD shall have no obligation to lease, and any rights TENANT possessed in and to the Leased Premises shall be extinguished.
- 22.06 Definition of the Term "TENANT". The term "TENANT" as used in this Lease Agreement shall be construed as plural if there be more than one person or entity appearing and executing this Lease Agreement as TENANT. All changes and grammatical adjustments required to make the provisions of this Lease Agreement apply equally to corporations, partnerships or other entities, or individuals shall, in all instances, be construed as incorporated into the text of the document. Whenever TENANT consists of two or more persons or entities each shall be jointly and severally ("solidariamente") bound hereunder.
- 22.07 <u>Headings</u>. The headings of the articles and sections of this Lease Agreement are for convenience only and do not limit, expand, or define the contents of the articles and sections hereof.
- 22.08 Late Charges. (a) All payments that TENANT is obligated to make under this Lease Agreement, including without limitation, the Deposit, the Basic Rent, the Additional Rent, and any adjustment thereto, shall bear interest from its due date until payment in full, at a rate of one percent (1%) over the prime rate charged by the principal commercial banks in the city of New York as of the date the payment is due. Should the interest be held as usurious, then interest shall be deemed to have accrued at and continue to accrue at accrue the maximum rate of interest permissible, as established by the Interest Rate and Finance Charges Regulatory Board created by Act No. 1, of October 15, 1973, as amended (P.R. Laws Ann. Tit 10, sec. 998), or any future law or regulation.
  - (b) Should TENANT fail to make a Rent payment within ten (10) days after its due date, then TENANT shall also pay to LANDLORD a penalty to recover LANDLORD's administrative expenses and collection costs equal to (i) one hundred dollars (\$100.00) per day, or (ii) for each day the amount owed is past due, one half of one percent (0.05%) of the overdue amount, whichever is greater. Anything contained in this section regarding the payment of overdue amounts shall not constitute an extension of the due date of any amount TENANT is obligated to pay under this Lease Agreement, nor or shall it constitute a waiver of TENANT's obligation to pay such amounts as provided in this Lease Agreement.
- 22.09 <u>Lease Guaranty</u>. Simultaneously with the execution and delivery of this Lease Agreement, if required by LANDLORD, TENANT shall deliver the Lease Guaranty to LANDLORD duly executed by the Guarantor identified in Section 1.15 hereof, if any, which Lease Guaranty shall be in form substantially similar to Attachment G hereto.
- 22.10 <u>Performance</u>. Whenever a requirement, obligation, or liability is imposed upon one of the parties hereto, the concerned party shall comply with or satisfy said requirement, obligation or liability at its own expense, unless specifically provided to the contrary.
- 22.11 Entire Agreement. This Lease Agreement, along with its attachments contains all the terms, conditions, agreements and covenants between the parties with respect to the Leased Premises; it substitutes and nullifies any other lease agreement or other agreement, oral or written, between the parties regarding the occupation and use of the Leased Premises by TENANT, including any letter of agreement that governed the relationship between the parties prior to and during the negotiation of this Lease Agreement. This Lease Agreement shall only be





modified, amended, altered, or canceled by a written document subscribed by both parties.

- 22.12 Force Majeure. In the event that LANDLORD shall be hindered or delayed in the performance of any of its obligations or commitments under this Lease Agreement by reason of force majeure, the performance of such act shall be excused for the period of time which it is reasonably understood that said act or event hinders its performance. Force majeure is understood as any incident or occurrence beyond LANDLORD's control, including, but not limited to, lock-outs, strikes, shut downs or labor disputes; inability to obtain necessary materials; riots, acts of war and insubordination; fires, explosions, accidents and acts of sabotage; lack of electricity or fuel; floods, earthquakes, torrential rains and hurricanes; administrative, governmental or court orders or injunctions; federal, state or municipal laws and regulations; the revocation, modification or suspension of a permit, license or other necessary authorization; matters of national security; acts or occurrences directly or indirectly caused by TENANT (its agents, employees, contractors, or invitees); or any other situation or event reasonably beyond LANDLORD's control. In said situation, the period of time for LANDLORD to comply with any obligation or commitment shall automatically be extended for a period equivalent to the period of duration of such force majeure.
- 22.13 <u>Safety Programs</u>. TENANT agrees to cooperate, assist and participate in any program LANDLORD develops or adopts to address any emergency or occurrence constituting force majeure.
- 22.14 Estoppel Certificate. TENANT, upon LANDLORD's request, shall provide LANDLORD with an Estoppel Certificate wherein TENANT certifies that (i) this Lease Agreement is unmodified and in full force and effect (or if any modifications, TENANT will specify such modifications and certify that this Lease Agreement as modified is in full force and effect); (ii) the date upon which TENANT began paying Basic Rent and the dates in which all Rent payments were made; (iii) that LANDLORD is not in default under any provision of this Lease Agreement; (iv) that the work by LANDLORD to the Leased Premises, was completed as agreed and that TENANT is in possession of the Leased Premises, (iv) TENANT has no claims against LANDLORD under this Lease Agreement, and (vi) that there is no petition, whether voluntary or otherwise, pending as to TENANT under the bankruptcy laws of the United States.
- 22.15 TENANT's Duties; LANDLORD's Rights. All obligations and agreements which TENANT is to perform or carry out under the terms of this Lease Agreement, shall be done exclusively at TENANT's expense, and without a right to set-off or adjustment against Rent. Should TENANT breach or fail to perform any of the obligations under this Lease Agreement, and said default persists for more than ten (10) days from the delivery by hand or the U.S. Mail of LANDLORD's notice demanding performance thereof, LANDLORD shall be entitled, but shall not be obligated, to act as required to remedy said situation, without waiving or releasing TENANT from its liability with respect to said obligation. Any sum paid or expense incurred by LANDLORD in said efforts shall accrue interest pursuant to the provisions of Section 22.08 hereof and must be paid by TENANT to LANDLORD upon demand.
- 22.16 Relationship Between the Parties. The relationship existing between the parties hereto is that of LANDLORD and TENANT exclusively, and nothing provided for in this Lease Agreement shall be interpreted as creating a partnership, joint venture, principal and agent relationship or any other type of relationship between parties.
- 22.17 <u>Nullity or Partial Invalidity</u>. If any term, clause, section or article of this Lease Agreement, or the application or enforceability thereof, be declared null, invalid or unenforceable by a final order or judgment from a court having jurisdiction, the



remainder of the Lease Agreement, or the application of said term, clause, section or article to persons or circumstances other than those against whom the nullity, invalidity or unenforceability was declared, shall not be affected by said order or judgment, and each term and condition in this Lease Agreement shall be valid and enforceable to the extent permitted by law and consistent with said order or judgement.

- 22.18 Accord and Satisfaction. No payment by TENANT, or the acceptance by LANDLORD of an amount less than the Rent herein stipulated shall be deemed to be other than a payment toward the stipulated Rent, nor shall any endorsement or statement on any check or any letter or other communication accompanying any check or payment as Rent be deemed an accord and satisfaction, and LANDLORD may accept such check or payment without prejudice to LANDLORD's right to recover the balance of such Rent or pursue any other remedy provided in this Lease Agreement or at law or equity.
- 22.19 Applicable Law. This Lease Agreement is executed, and its terms and conditions shall be construed and enforced, in accordance with the laws of the Commonwealth of Puerto Rico.
- 22.20 <u>Jurisdiction and Competency</u>. The parties agree that any action, proceeding, claim, counterclaim or any other kind of judicial action that either of the parties initiates against the other regarding (I) any matter that arises out of or related to this Lease Agreement; (ii) the legal relationship existing between LANDLORD and TENANT; (iii) the use or occupation of the Leased Premises by TENANT; (iv) any claim for damages; and/or (v) any statutory remedy, shall be filed and litigated before the Court of First Review of Puerto Rico.
- 22.21 Net Lease. TENANT recognizes and admits, without limiting the meaning of any other terms and conditions of this Lease Agreement, and as otherwise provided in this Lease Agreement, that the intentions of the parties in this Lease Agreement are that all Rent to be paid by TENANT to LANDLORD under this Lease Agreement, must be paid to LANDLORD, without deduction or setoff of any kind, and that any and all expenses incurred regarding the Leased Premises, or regarding TENANT's operations in the Leased Premises, including any assessments, taxes, municipal operating licenses, charges, special license and permit fees, insurance premiums, electricity, water, gas, telephone bills and other similar services, cost of repair, maintenance and operation of the Leased Premises or Property, together with all such fixtures that are placed on, attached to, installed or contained in the Leased Premises, shall be paid by TENANT.
- 22.22 Notices. All notices, claims or communications between the parties referred to or required by this Lease Agreement shall be in writing and sent by certified mail, return receipt requested, or personally delivered, to the addresses of the parties set forth in Sections 1.02 and 1.04 of this Lease Agreement. Any address change shall be notified to the other party in writing not less than thirty (30) days before the effective date of said change.
- 22.23 Non-Waiver. The failure of either party to demand strict performance of any of the provisions of this Lease Agreement upon default of any provision by the other party shall not constitute nor may it be construed as a waiver of said party's right to demand performance of any provision in the future if the default continues, or if the other party should later repeat the default with respect to the same provision. The receipt or acceptance by LANDLORD of the Rent or any other amount payable by TENANT under this Lease Agreement, with or without knowledge of TENANT's default on any obligation or condition under this Lease Agreement, shall not be deemed as release by LANDLORD in favor of TENANT from compliance with said obligation or condition, nor a waiver of LANDLORD's rights or remedies under this Lease Agreement with regard to said default. The consent or approval given by LANDLORD for any act by TENANT which requires





said consent or approval, is solely and exclusively limited to the act or event for which said consent or approval was given, and should not be understood as a waiver of any requirement for prior consent or approval for a similar act by TENANT in the future.

- 22.24 <u>Cumulative Remedies</u>. The rights and remedies of each of the parties in this Lease Agreement are independent, separate and cumulative. The exercise, or failure to exercise any right or remedy, shall not be interpreted or deemed to exclude or bar the exercise of any other right or remedy of either party under this Lease Agreement or under any law or regulation.
- 22.25 Brokers. Each party represents and warrants to the other party that it has not engaged nor used the services of a real estate broker or agent in connection with this lease, and that no real estate agent has participated at any time in the negotiation of this Lease Agreement. Notwithstanding the foregoing, the liability for the payment of any commission or compensation claimed by any real estate professional who may have rendered services to any party with respect to this Lease Agreement shall be borne by the party that engaged said real estate professional, and furthermore said party shall indemnify the other against any damages, liability, expenses and/or attorney's fees, arising from any claim or lawsuit of any real estate professional for any commission allegedly owed for any service rendered.
- 22.26 Cross Default. Any default by TENANT under any other agreement with LANDLORD shall be considered a default under this Lease Agreement.
- 22.27 <u>Representations</u>. TENANT expressly represents that neither LANDLORD nor its directors, officers, agents, employees or representatives has made any representations or promises with respect to the Leased Premises, except as expressly provided in this Lease Agreement.
- 22.28 <u>Financial Statements</u>. Upon request of LANDLORD, TENANT must to submit to LANDLORD, within ninety (90) days after the expiration of TENANT's fiscal year, a certified financial statement issued by an authorized certified public accountant. The certified financial statement will include: (a) TENANT's capital; (b) TENANT's long-term debts and capitalization; (c) TENANT's investment in machinery and its ability to provide employment; (d) taxes paid by TENANT, including Social Security payments; and (e) any other information that is required by this Lease Agreement. Should TENANT fail to deliver the certified financial statement, LANDLORD shall obtain this information at TENANT's cost and TENANT shall permit LANDLORD access to TENANT's books and records at TENANT's main offices in Puerto Rico for this purpose.
- 22.29 Additional Documents. If TENANT is a corporation, TENANT agrees to submit to LANDLORD contemporaneously with the execution and delivery of this Lease Agreement (a) evidence of TENANT's registration with the State Department of the Commonwealth of Puerto Rico, including the name and address of its resident agent; and (b) a certificate of corporate resolution of TENANT's Board of Directors which authorizes or ratifies the execution of this Lease Agreement. If TENANT is a partnership, TENANT represents and warrants that this Lease Agreement has been subscribed by all managing partners or administrators representing TENANT, and that the same constitutes a valid and enforceable agreement for the partnership and each and every one of the partners, and also, that each and every one of TENANT's present and future partners are now and shall remain at all times jointly and severally liable under this Lease Agreement. TENANT represents and warrants that the death, resignation or retirement of any partner shall not release said partner from its liability under the terms of this Lease Agreement without LANDLORD's consent in writing.



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- 22.30 Fiscal Liabilities. (a) TENANT represents and warrants that, at the time of execution of this Lease Agreement (i) it has filed tax returns for the last five (5) years; (ii) that TENANT has no outstanding tax debt with the Government of Puerto Rico nor with the United States Government (if applicable) that is not subject to a payment plan which is current as of the date of execution of this Lease Agreement; (iii) and has paid its unemployment taxes, disability and social security taxes (as applicable), or is in compliance with a payment plan therefor and in compliance with the terms and conditions thereof.
  - (b) TENANT expressly recognizes that the compliance with the provisions of this Section 22.30 is an essential condition of this Lease Agreement, and if any representation or warranty is not accurate, in whole or in part, the same shall constitute cause for LANDLORD to terminate this Lease Agreement.
- 22.31 <u>Debt Certification</u>. TENANT warrants to LANDLORD that neither TENANT nor its partners (or if TENANT is a corporation, its directors, officers or stockholders) owe any amount to LANDLORD or to any agency or instrumentality of the Government of Puerto Rico, either personally or under this or any other corporate or partnership name.
- 22.32 Non-Conflict Certification. TENANT represents and warrants to LANDLORD that there is no conflict of interest, neither actual or potential, between LANDLORD and any of TENANT's directors, officers, employees, partners and agents, as a result of business, labor, economic, or family relationships, or for any other reason. TENANT hereby covenants that upon LANDLORD's request TENANT shall deliver to LANDLORD a sworn statement from any of its directors, officers, employees, and/or agents that will confirm the veracity of TENANT's representation and warranty contained in this provision.
- 22.33 TENTANT has been notified by LANDLORD that it has retained the professional service of a credit reporting agency in order to obtain credit references of its TENANTS and that its results can be used for financial and credit evaluations.

IN WITNESS WHEREOF, the parties subscribe this Lease Agreement on the dates below stated.

LANDLORD:

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY S.S.P.#66-0292871

By: Out Est Fall
Name: Anibal Espinosa Valentin, Esq.
Title: Assistant Finance Executive Director
Date: Peccusa /24 /2077

**TENANT:** 

CARIBE G.E. S.S.P.# 66-0500295

Name: / Rubés Gowalde Title: / President and GM Date: 12/26/2009

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ESTADO LIBRE ASOCIADO DE PUERTO RICO Compañía de Fomento Industrial

#### CERTIFICACIÓN

Yo, Jaime A. Riera Seivane, Secretario Corporativo de la Compañía de Fomento Industrial de Puerto Rico, CERTIFICO que:

"La Junta de Directores de la Compañía de Fomento Industrial de Puerto Rico (CFI), en su reunión del 12 de septiembre de 2007, autorizó renovar dos contratos de arrendamiento entre Caribe General Electric y la CFI, sin el aumento que se aplica a las renovaciones, el cual se mantendría vigente hasta el 31 de diciembre de 2008, de las propiedades que se desglosan a continuación localizadas en Añasco y San Germán:

Núm. Proyecto	Período del Contrato	Canon	Municipio
T-0776-0-66, 1-69, 2-74, 3-89	01/01/2007-12/31/2008	\$2,20	Añasco
T-0497-0-58, 1-85		\$2.75	8 6
T-0753-0-66, 1-89		\$2.20	San Germán

Total de pies cuadrados en San Germán y Añasco = 144.668.06

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Núm. Lote	Municipio	Canon
L-1542-62-100	Añasco	\$2,125,00
L-0490-55-100	San Germán	\$1,667,00

Además, autorizó agrupar en un contrato único ("master lease contract") las propiedades de Añasco y San Germán arribas mencionadas con las propiedades ubicadas en los municipios de Arecibo, Vega Alta, Vega Baja, Patillas, Humacao y Vieques comenzando el 1 de enero de 2009, con la aplicación de un 11% de aumento al canon que a ese momento se esté facturando al arrendatario por todas sus propiedades. El contrato único garantizará un acuerdo de arrendamiento por un período de diez (10) años, contados a partir del 1 de enero de 2009, de 537,272.39 pies cuadrados de construcción.

incorporan a esta certificación todos los términos y condiciones propuesta presentada a la Junta de Directores de la

arel

BI

355 Ave F D Roosevelt, Hato Rey, PR 00918 - PO 80X 362350 San Juan, PR 00936-2350

PEOGADO-NOT

TEL 787 758 4747 - http://www.pridco.com

ESTADO LIBRE ASOCIADO DE PUERTO RICO Compañía de Fomento Industrial

En San Juan, Puerto Rico, a 2

de octubre de 2007.

Affidávít Núm.: 480

Jurada y suscrita ante mí por Jaime A. Riera Seivane, mayor de edad, casado, abogado y vecino de San Juan, Puerto Rico, en su carácter de Secretario Corporativo de la Compañía de Fomento Industrial, a quien doy fe de conocer personalmente.

En San Juan, Puerto Rico, a 2 de octubre de 2007.

ABOGADO-NOTARIO

Notário Público

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# ATTACHMENT TO THE 1.14 CLAUSE OF THE 2007 MASTER LEASE AGREEMENT Summary of the Security Deposit per plant for the 2004 Lease Agreements.

PLANT	BUILDINGS。中国中国
ANASCO/ SENSING	T-1278-0-80
SECURITY DEPOSIT	\$5,981.24
ANASCO/RELAYS	T-0776-0-66, 1-69, 2-74 &3-89
SECURITY DEPOSIT	\$21,246.47
SAN GERMAN/ METERS	1-0497-0-58, 1-85
SECURITY DEPOSIT	\$25,759.14
SAN GERMAN/ DISTRIBUTION COMPONENTS	T-0753-0-66, 1-89, T-0881-0-67
SECURITY DEPOSIT	\$3,770.60
ARECIBO/ COMPONENTS	T-0301-0-56, 1-73, T-0303-0-56, 1-58, 2-61, 3-64
SECURITY DEPOSIT	\$20,877.45
ARECIBO/PLATING	T-0302-0-56-0-81
SECURITY DEPOSIT	\$4,817.71
VEGA ALTA/ CONT	S-0174-0-53
SECURITY DEPOSIT	\$36,467,28
VEGA BAJA	T-1154-0-54, 1-75
SECURITY DEPOSIT	\$26,676.60
PATILLAS	S-0726-0-65, 1-68
SECURITY DEPOSIT	\$20,554.59
HUMACAO	S-0161-0-53, 1-73, S-1336-0-82
SECURITY DEPOSIT	\$32,349.74
VIEQUES	T-0849 and Ext.
SECURITY DEPOSIT	\$0.00

Total Security Deposit		\$198,500.82
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#### ATTACHMENT TO THE 1.08 CLAUSE OF THE 2007 MASTER LEASE AGREEMENT

Summary of the Minimum Levels of Capitalization, Machinery and Equipment and Employees per Plant.

PLANT 18 10 1 1 10 10 10 10 10 10 10 10 10 10 10	4   科科·泰维·纳州·纳斯·ATOTAL 行行。这次完全的证据
ANASCO/ SENSING	T-1278-0-80
CAPITALIZATION	\$840,673.00
MACHINERY AND EQUIPMENT	\$840,673.00
EMPLOYMENT	90
ANASCO/ RELAYS	T-0776-0-66, 1-69, 2-74 &3-89
CAPITALIZATION	\$1,575,000.00
MACHINERY AND EQUIPMENT	\$1,575,000.00
EMPLOYMENT	175
SAN GERMAN/ METERS	T-0497-0-58, 1-85
CAPITALIZATION	\$9,375,000.00
MACHINERY AND EQUIPMENT	\$9,375,000.00
EMPLOYMENT	580
SAN GERMAN/ DISTRIBUTION	
COMPONENTS	T-0753-0-66, 1-89, T-0881-0-67
CAPITALIZATION	n/a
MACHINERY AND EQUIPMENT	n/a
EMPLOYMENT	Included in San Germán Total
	T-0301-0-56, 1-73, T-0303-0-56, 1-58, 2-
ARECIBO/ COMPONENTS	61, 3-64
CAPITALIZATION	\$483,000.00
MACHINERY AND EQUIPMENT	\$483,000.00
EMPLOYMENT	369
ARECIBO/PLATING	T-0302-0-56-0-81
CAPITALIZATION	\$200,000.00
MACHINERY AND EQUIPMENT	\$200,000.00
EMPLOYMENT	Included in AreciboTotal
VEGA ALTA/ CONT	S-0174-0-53
CAPITALIZATION	\$600,000.00
MACHINERY AND EQUIPMENT	\$50,000.00
EMPLOYMENT	251
VEGA BAJA	T-1154-0-54, 1-75
CAPITALIZATION	\$5,505,000.00
MACHINERY AND EQUIPMENT	\$5,505,000.00
EMPLOYMENT	123
PATILLAS	S-0726-0-65, 1-68
CAPITALIZATION	\$2,500,000.00
MACHINERY AND EQUIPMENT	\$2,500,000.00
EMPLOYMENT	184
HUMACAO	S-0161-0-53, 1-73, S-1336-0-82
CAPITALIZATION	\$450,000.00
MACHINERY AND EQUIPMENT	\$450,000.00
EMPLOYMENT	372
VIEQUES	T-0849 and Ext.
CAPITALIZATION	\$300,000.00
MACHINERY AND EQUIPMENT	\$300,000.00
EMPLOYMENT	44

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DESCRIPCION EDIFICIO T-1278-0-80 LOCALIZADO EN EL SOLAR 6 DE LA URBANIZACION INDUSTRIAL DEL BO. LAS MARIAS DE AÑASCO, PUERTO RICO

Edificio típico con techo inclinado a dos aguas de acero galvanizado con un espesor #22 cubierto con una aislación de 1.0 pulgadas de fibra de vidrio y un sistema de impermeabilización de techo que consiste de dos capas de felpa y terminación en capa mineral. El techo tiene instalados extractores de aire para ventilar el edificio. Está sostenido sobre viguetas de acero apoyadas en armazones de vigas y columnas de acero sobre pedestales y zapatas de hormigón armado. El edificio tiene unas dimensiones exteriores de 240'-8" x 90'-6" con un área de 21,780.64 pies cuadrados para manufactura, estructura anexa para uso de servicios sanitarios de 60'-6" x 12'-6" con un área de 756.25 pies cuadrados y un pórtico de entrada de 16'-2" x 8'-4", con un área de 134.70 pies cuadrados. El área total del edificio es de 22,671.59 pies cuadrados.

El piso es una losa de 4 pulgadas de hormigón armado con terminación monolítica de cemento y está diseñada para soportar una carga viva de 150 libras por pie cuadrado.

Las paredes exteriores son en bloques de hormigón empañetados y pintados por ambos lados. Las paredes interiores de la estructuras anexas están empañetadas y pintadas con pintura epóxica. El plafón en la parte inferior del techo es de metal corrugado, pintado.

Las ventanas del edificio son tipo Miami en aluminio.

Las puertas interiores del edificio son en madera, las exteriores son en metal, 2 puertas arrolladizas en metal han sido instaladas en las área de carga.

La altura total interior de la estructura es de 12'-2 1/2", medida desde la losa de piso hasta la parte más baja de la viga de acero en los lados del edificio.

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# DESCRIPTION OF BUILDING T-0776-0-67 AT AÑASCO, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, structural steel columns and girders supporting 30 feet long steel joists which in turn support gauge # 22 standard galvanized steel deck, covered by 1" fiberglass insulation and a 3 plies built up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor 181'-0" x 120'-6" out to out dimension for an area of 21,810.50-sq. ft. of manufacturing space; a lean to 60'-6" x 10'-6" for an area of 635.25 sq.ft. This amounts to the total area of 22,445.75 sq. ft. of covered space.

The floor consists of a 3-1/2" thick reinforced concrete slab. Designed for a live load of 150 pounds per square feet.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is steel deck and painted throughout the building.

Interior walls at the lean-to are plastered and painted.

Windows are Miami aluminum type throughout the building.

Exterior doors are industrial metal types and interior doors are made of plywood.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-9".

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# DESCRIPTION OF BUILDING T-0776-1-68 AT AÑASCO, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, structural steel columns and girders supporting 30 feet long steel joists which in turn support gauge # 22 standard galvanized steel deck, covered by 1" fiberglass insulation and a 3 plies built up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor 120'-2" x 60'-8" out to out dimension for an area 7,290.71 of -sq. ft. of manufacturing space. This amounts to the total area of 7,290.71 sq. ft. of covered space.

The floor consists of a 3-1/2" thick reinforced concrete slab. Designed for a live load of 150 pounds per square feet.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is steel deck and painted throughout the building.

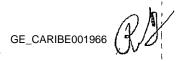
Windows are Miami aluminum type throughout the building.

Exterior doors are industrial metal type.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-2".

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JCV/EA 16/oct./01



# DESCRIPTION OF BUILDING T-0776-2-74 AT AÑASCO, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, structural steel columns and girders supporting 30 feet long steel joists which in turn support gauge # 22 standard galvanized steel deck, covered by 1" fiberglass insulation and a 3 plies built up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor  $120^{\circ}-6^{\circ} \times 60^{\circ}-0^{\circ}+90^{\circ}-6^{\circ} \times 90^{\circ}-3^{\circ}$  out to out dimension for an area 15,397.63 of -sq. ft. of manufacturing space; a lean-to of  $30^{\circ}-0^{\circ} \times 10^{\circ}-6^{\circ}$  with an area of 315.00 sq. ft. This amounts to the total area of 15,712.63 sq. ft. of covered space.

The floor consists of a 3-1/2" thick reinforced concrete slab. Designed for a live load of 150 pounds per square feet.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is steel deck and painted throughout the building.

Interior walls at the lean-to are plastered and painted.

Windows are Miami aluminum type throughout the building.

Exterior doors are industrial metal type and interior are made of plywood.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-2".

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JCV/EA 16/oct./01

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# DESCRIPTION OF BUILDING T-0776-3-89 AT AÑASCO, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, structural steel columns and girders supporting 30 feet long steel joists which in turn support gauge # 22 standard galvanized steel deck, covered by 1-1/2" fiberglass insulation and a 3 plies built up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor  $181'-0" \times 121'-8"$  out to out dimension for an area 22,022.27 of -sq. ft. of manufacturing space; a lean-to of  $23'-0" \times 12'-6"$  with an area of 287.50 sq. ft. for sanitary facilities, and an entrance porch of  $22'-0" \times 31'-4" + 16'-0" \times 17'-0" + .50(7'-0" \times 14'-0") + .50(14'-0" \times 17'-0")$  for an area of 1,129.26 sq. ft.. This amounts to the total area of 23,439.03 sq. ft. of covered space.

The floor consists of a 6" thick reinforced concrete slab. Designed for a live load of 150 pounds per square feet.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is steel deck and painted throughout the building.

Interior walls at the lean-to are plastered and painted.

Windows are Miami aluminum type throughout the building.

Exterior doors are industrial metal type and interior are made of plywood.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-2-1/2".

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JCV/EA 16/oct/01

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# DESCRIPTION OF BUILDING T-0497-0-58 AT SAN GERMAN, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, columns and girders supporting 30 feet long concrete joists which in turn support prestressed concrete slabs (poretes), covered by 1.3" polyurethane insulation and a 4 plies built up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor  $121^{\circ}-6^{\circ} \times 90^{\circ}-10^{\circ}$  out to out dimension for an area of 11,035.85-sq. ft. of manufacturing space. A lean-to area  $31^{\circ}-2^{\circ} \times 10^{\circ}-6^{\circ}$  for an area of 327.29; an entrance porch  $14^{\circ}-0^{\circ} \times 7^{\circ}-0^{\circ}$  for an area of 98.00 sq. ft. This amounts to a total area of 11,461.14 sq. ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete slab designed for a load capacity of 150 pounds p.s.f. with monolithic cement finish.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is rubbed and painted throughout the building.

Interior walls at the lean-to are plastered and painted.

Windows are Miami aluminum type throughout the building.

Interior doors are made of wood and exterior doors are industrial metal types.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-0".

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JCV/EA 16/oct./01

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# DESCRIPTION OF BUILDING T-0497-1-85 AT SAN GERMAN, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, columns and girders 30'-0" long steel joists which in turn support gauge #22 standard galvanized steel deck covered by 1.3" polyurethane and a Derbigum (Derbicolor) roofing. Roof ventilators are provided.

The structure consists of a main floor 199'-6" x 90'-10" + 259'-6" x 68'-0" out to out dimension for an area of 35,766.59-sq. ft. of manufacturing space. A lean-to area 30'-0" x 12'- 6" for an area of 375.00 sq. ft. provided for sanitary facilities; another lean-to of 80'-0" x 18'-0" for an area of 1,440.00 and a loading platform of 25'-10" x 68'-0" for an area of 1,756.44. This amounts to a total area of 39,338.03 sq. ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete slab designed for a load capacity of 150 pounds p.s.f. with monolithic cement finish.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is rubbed and painted throughout the building.

Interior walls at the lean-to are plastered and painted.

Windows are Miami louvers throughout the building.

Interior doors are made of wood and exterior doors are industrial metal types.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-2".

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JCV/wgo April/11/2001

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#### DESCRIPTION OF BUILDING T-0753-0-66 AT SAN GERMAN, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, columns and girders supporting 30 feet long steel joists which in turn support prestressed concrete slabs (poretes), covered by 1/2" fiberglass insulation and a 3 plies built up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor 120'-6" x 90'-6" out to out dimension for an area of 10,905.25-sq. ft. of manufacturing space. A lean-to area 37'-2" x 11'-6-3/4" for an area of 429.69. This amounts to a total area of 11,334.94 sq. ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete slab.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is rubbed and painted throughout the building.

Interior walls at the lean-to are plastered and painted.

Windows are Miami aluminum type throughout the building.

Interior doors are made of wood and exterior doors are industrial metal types.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-0".

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# DESCRIPTION OF BUILDING T-0753-1-89 AT SAN GERMAN, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, structural steel columns and girders supporting 30 feet long steel joists which in turn support gauge # 22 standard galvanized steel deck, covered by 1-1/2" fiberglass insulation and a 3 plies built up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor 90'-8" x 150'-6" out to out dimension for an area 13,645.83 of -sq. ft. of manufacturing space. This amounts to the total area of 13,645.83 sq. ft. of covered space.

The floor consists of a 4" thick reinforced concrete slab. Designed for a live load of 150 pounds per square feet.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is steel deck and painted throughout the building.

Windows are Miami aluminum type throughout the building.

Exterior doors are industrial metal type.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-6".

JCV/EA 16/oct./01

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# DESCRIPTION OF BUILDING T-0881-0-67 AT SAN GERMAN, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, columns and steel girders supporting 30'-0" long steel joists which in turn support gauge #22 standard galvanized steel deck covered by 1" fiberglass insulation and a built-up roofing.

Roof ventilators are provided.

The structure consists of a main floor 120'-8" x 90'-9" out to out dimension for an area of 10,950.80-sq. ft. of manufacturing space. A lean-to area 10'-8" x 37'- 0" for an area of 394.79 sq. ft. provided for sanitary facilities; a loading platform of 12'-2" x 24'-0" for an area of 292.08 sq. ft. This amounts to a total area of 11,637.67 sq. ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete slab designed for a load capacity of 150 pounds p.s.f. with monolithic coment finish.

Exterior walls are of concrete blocks, plastered and painted on both sides.

Ceiling is steel deck painted throughout the building.

Interior walls at the lean-to are plastered and painted with epoxy paint.

Windows are Miami louvers throughout the building.

Interior doors are made of wood and exterior doors are industrial metal types.

There is one metal rolling door 10'-0" x 10'-0" at the loading area.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side's eaves is 12'-2".

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JCV 24/2001



ESTADO LIBRE ASOCIADO DE PUERTO RICO

#### COMPAÑIA DE FOMENTO INDUSTRIAL DE PUERTO RICO

G.P.O. APARTADO 2350 SAN JUAN, PUERTO RICO 00936

DIRECCION CABLEGRAFICA
"INDEVELCO"

March 9, 1984

#### DESCRIPTION OF BUILDING NUMBER T-0301-0-56 AT ARECIBO, P. R.

This building is a pitched roof type consisting of reinforced concrete foundations, columns and girders supporting 30 feet long steel joists which in turn support pre-cast (Porete) slabs, covered by 1/2" cellotex insulation and a 3-ply built-up roofing. This building has no monitor, but roof ventilators are provided.

The structure consits of a main floor  $121'-0" \times 90'-10"$  plus  $8'-0" \times 3'-4"$  out to out dimensions for an area of 11,017.15 sq. ft. of manufacturing space; an entrance porch  $18'-0" \times 8'-1"$  for an area of 145.44 sq. ft. and a lean-to  $10'-8" \times 31'-3"$  for an area of 334.19 sq. ft. to be used for sanitary facilities. This gives a total area of 11,496.78 sq. ft. of covered floor space.

The floor consists of a 4 inch thick reinforced concrete floor slab with a monolithic cement finish on the manufacturing area, storage room, stairs, and janitors room, quarry tiles; on the entrance porch and ceramic tile on the men's and ladies' toilet rooms.

Exterior walls are of concrete blocks plastered and painted on both sides except on the front wall which is reinforced concrete on the entrance porch only with a V-shaped finish on the rest and interior walls at the leanto which are plastered and painted together with a 5'-0" epoxy paint at the mens and ladies toilet rooms.

Ceilings are rubbed and painted throughout the building.

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Doors are flush plywood, except for one flush steel over at the main entrance; a flush steel at the rear entrance, and one metal and glass, double sliding one, at the loading platform.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side esves is 12!-0! and 14!-9 3/4! at the center of the building.

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ESTADO LIBRE ASOCIADO DE PUERTO RICO

#### COMPAÑIA DE FOMENTO INDUSTRIAL DE PUERTO RICO

G.P.O. APARTADO 2350 SAN JUAN, PUERTO RICO 00936

DIRECCION CABLEGRAFICA
"INDEVELCO"

8 de marzo de 1984

# DESCRIPTION OF TYPICAL BUILDING TYPE "L" - PROJECT NO. T-0301-1-73 AT AREGIBO, P. R.

This building is a pitched roof type consisting of reinforced concrete foundations, columns and girders supporting 30 feet long steel joists which in turn support pre-cast (porete) slabs, covered by 1/2" fiberglass insulation and a 3 plies composite roofing. This building has no monitor, but roof ventilators are provided.

The structure consists of a main floor 121'-1" x 90'-10" out to out dimensions for an area of 10,998.10 sq. ft. of manufacturing space; and a lean-to 10'-9" x 31"-0" for an area of 333.25 sq. ft. to be used for sanitary facilities. This gives a total area of 11,331.35 sq. ft. of covered floor space.

The floor consists of a 4 inch thick reinforced concrete floor slab with a monolithic cement finish on the manufacturing area, storage room, stairs, ans janitor room, quarry tiles, on the entrance porch and ceramic tiles on the men's and ladies' toilet rooms.

Exterior walls are of concrete blocks plastered and painted on both sides except on the front wall which is reinforced concrete on the entrance porch only with a V-shaped finish on the rest and interior walls at the lean-to which are plastered and painted together with a 5'-0" high epoxy paint at the mens and ladies rooms.

Windows are Miami aluminum louvers throughout the building except for metal pivoted sash at the front wall.

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Windows are Miami aluminum louvers throughout the building except for metal pivoted sash at the front wall.

Doors are flush plywood, except for one flush steel over at the main entrance; a flush steel at the rear entrance, and one metal and glass, double sliding one, at the loading platform.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side eaves is 12'-0" and 14'-9 3/8" at the center of the building.

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## DESCRIPTION OF BUILDING NO. T-0303-0-56

#### ARECIBO, PUERTO RICO

STRUCTURE: Building with a pitched roof consisting of prestressed concrete slabs (poretes)

supported by steel joists which are supported by a reinforced concrete columns and beams

frame on reinforced concrete foundations.

INSULATION & It has 1/2" thick fiberglass panels covered WATERPROOFING: by a Danosa waterproofing system.

DIMENSIONS: Out-to-out dimensions of 121'-0" x 90'

10" plus 31'-2" x 10'-6" for an area of 11,317.71 square feet of manufacturing space; entrance porch 18'-0" x 8'-6" for an area of 153.00 square feet. This gives a total area of 11,470.71 square feet of covered

space.

FLOOR : 4" thick reinforced concrete with monolithic

cement finish designed for a live load of

150 psf.

WALLS : Exterior - cement block, plastered and painted

on both sides.

Interior - cement block, plastered and painted on both sides (with epoxy paint in sanitary

facilities.

DOORS : Exterior - painted, metal, industrial type.

Interior - wooden - flat - painted.

Roll-up - three (3) metal,  $10'-0" \times 10'$ 

0".

WINDOWS: Aluminium, painted, miami type.

HEIGHT: Interior - from finish floor to lower part

of beam in the side eaves -12'-0"

SANITARY It has seven (7) waterclosets; ten (10)

FACILITIES: lavatories and two (2) urinals.

HANDICAPPED

FACILITIES : Not available.

July 1993

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# DESCRIPTION OF BUILDING NO. T-0303-1-58

### ARECIBO, PUERTO RICO

STRUCTURE: Building with a pitched roof consisting of

prestressed concrete slabs (poretes) supported by steel joists which are supported by a reinforced concrete columns and beams frame

on reinforced concrete foundations.

INSULATION &

WATERPROOFING: It has 1/2" thick fiberglass panels covered

by a Danosa waterproofing system.

DIMENSIONS: Out-to-out dimensions of 91'-0" x 30' -7 for an area of 2782.78 square feet of

manufacturing space. This gives a total area

of 2782.78 square feet of covered space.

FLOOR : 4" thick reinforced concrete with monolithic

cement finish designed for a live load of

150 psf.

WALLS : Exterior - cement block, plastered and painted

on both sides.

WINDOWS : Aluminium, painted, miami type.

HEIGHT : Interior - from finish floor to lower part

of beam in the side eaves -  $12^{\circ}-0^{\circ}$ .

July 1993

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# DESCRIPTION OF BUILDING NO. T-0303-2-61

## ARECIBO, PUERTO RICO

STRUCTURE: Building with a pitched roof consisting of

prestressed concrete slabs (poretes) supported by steel joists which are supported by a reinforced concrete columns and beams frame

on reinforced concrete foundations.

INSULATION &

WATERPROOFING: It has 1/2" thick fiberglass panels covered

by a Danosa waterproofing system.

DIMENSIONS: Out-to-out dimensions of 90'-10" x 61'

-1" for an area of 5547.90 square feet of manufacturing space. This gives a total area

of 5547.90 square feet of covered space.

FLOOR : 4" thick reinforced concrete with monolithic

cement finish designed for a live load of

150 psf.

WALLS : Exterior - cement block, plastered and painted

on both sides.

WINDOWS : Aluminium, painted, miami type.

HEIGHT: Interior - from finish floor to lower part

of beam in the side eaves - 12'-0".

July 1993

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# GOBIERNO DE PUERTO RICO COMPAÑIA DE FOMENTO INDUSTRIAL DE PUERTO RICO

355 Ave, F.D. Roosevelt San Juan, Puerto Rico 00916

Teléfono (809) 758-4747 Facelmil (809) 250-1599

June 13<sup>th</sup>, 1995

## DESCRIPTION OF BUILDING T-0303-3-64 AT ARECIBO, PR

This is a pitched roof type building consisting of reinforced concrete foundations, columns and girders supporting prestressed concrete slabs (poretes) covered by 1/2" fiberglass insulation and a 3 plies built-up roofing. Roof ventilators are provided.

The structure consists of a main floor  $121'-3" \times 61'-1"$  (-)  $31'-2" \times 10'-6"$  out to out dimensions with an area of 7,078.67 sq. ft. of manufacturing space. This amounts to a total area of 7,078.67 sq. ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete slab with a monolithic cement finish. Floor slab designed for a bive load of 150 pounds per square feet.

Exterior walls are of concrete blocks plastered and painted on both sides.

/ Interior walls at lean-to are plastered and painted together with epoxy paint.

Ceiling is rubbed and painted throughout the building. Windows are miami aluminum type throughout the building.

Clearance in the manufacturing area from finished floor to lowest part of beams at the side eaves is 12'-0''.

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#### ESTADO LIBRE ASOCIADO DE PUERTO RICO

# COMPAÑIA DE FOMENTO INDUSTRIAL DE PUERTO RICO

G.P.O. APARTADO 2350 SAN JUAN, PUERTO RICO 00936

October 9th, 1990

TELEX: 3252678 3654319 3855245

# DESCRIPTION OF BUILDING - PROJECT NUMBER T-0302-0-56 ARECIBO, PUERTO RICO

The building is a pitched roof type consisting of reinforced concrete foundations, columns and girders supporting 30 feet long steel joist which in turn support pre-cast (Porete) slabs, covered by 1/2" cellotex insulation and a 3-ply built-up roofing. This building has no monitor but roof ventilators are provided.

The structure consists of a main floor  $121'-0" \times 90'-10"$  out to out dimensions for an area of 10,990.43 sq.ft. of manufacturing area, an entrance porch  $18'-0" \times 8'-6"$  for an area of 153.00 ft. and a lean-to  $31'-2" \times 10'-6"$  for an area of 327.28 sq.ft. to be used for sanitary facilities. This gives a total area of 11,470.71 sq.ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete floor slab with a monolithic cement finish on the manufacturing area, stairs, janitor's room and storage room; quarry tiles on the entrance porch and ceramic tile on the men's and ladies' toilet rooms.

Exterior walls are of concrete block walls plastered and painted on both sides except on the front wall which is of reinforced concrete on the entrance porch with concrete

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Estado Libre Asociado de Puerto Rico
COMPAÑIA DE FOMENTO INDUSTRIAL DE PUERTO RICO

DESCRIPTION T-0302-0-56 PAGE 2 October 9th, 1990

blocks on the rest of front wall with a V-shaped and interior walls at the lean-to which are plastered and painted together with a 5'-11" high sprayed-on glazed finish wainscoat at the men's and ladies' toilet rooms.

Ceilings are rubbed and painted throughout the building.

Windows are Miami Aluminum louvers throughout the building except for pivoted metal sash at the front wall.

Doors are plywood panel, except for one flush steel over at the main entrance, a flush steel at the rear entrance, and one metal and glass double sliding one at the loading platform.

Clearance in the manufacturing area from finished floor to lowest part of beams at the side eaves us 12'-0" and 14'-9 3/8" at the center of the building.,

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# DESCRIPTION OF BUILDING S-0174-0-53 AT VEGA ALTA, PUERTO RICO

This is a monitor type building consisting of reinforced concrete foundations, columns, beams, and girders, supporting semi-flat reinforced concrete roof slabs.

It consists of a main floor 271'-6" X 241'-4" for an area of 65,521.09 sq.ft. of manufacturing space; an entrance lobby 59'-1" X 7'-6" for an area of 443.10 sq.ft.; two lean-to's, one 30'-11" X 12'-0", the other 62'-9" X 12'-0" for an area of 1,124.04 sq.ft. to be used for sanitary facilities; a steam generator room 61'-6" X 29'-0" for an area of 1,783.50 sq.ft.; a storage room 61'-0" X 25'-0" for an area of 1,525.00 sq.ft.; a covered concrete apron. 89'-9" X 25'-0" for an area of 2,243.75 sq.ft.; a sump room 40'-0" X 15'-0" for an area of 600 sq.ft.; and a covered loading platform 120'-0" X 7'-4" for an area of 880.00 sq.ft. All this gives a total area of 74,120.48 sq.ft. of covered floor space.

The floor consists of a 5" thick reinforced concrete slab with a monolithic cement finish everywhere except at entrance porch, offices, and lean-to which have cement tiles.

Exterior walls are of clay tile blocks plastered and painted on both sides.

Interior walls at lean-to are plastered and painted together with a 5'-0" high cement file finish wainscot.

Ceilings are rubbed and painted everywhere except at entrance porch which is plastered and painted.

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Página #2 Description of Building S-0174-0-53 At Vega Alta, P.R.

Windows are steel sash everywhere except at men's and ladies! toilet rooms which are miami aluminum ones and asbestos cement fixed louvers at storage room.

Doors are flush plywood ones throughout the building except for wood panels and glass equipped with antipanic hardware set at main entrance, at right side of building and at ramp on left side of building; metal single sliding doors at steam generator and at storage rooms; and steel rolling doors at left side of building and at loading platform at back.

Clearance in the manufacturing area from finish floor to lowest part of beams at right side eave is 12'-6" and 18'-10" at the highest points at right side of building.

EJF/LAM/alr 8-14-86

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# DESCRIPTION OF BUILDING NO. S-0726-0-65 PATILLAS, PUERTO RICO

STRUCTURE

Building with a pitched roof consisting of pre-stressed concrete slabs (poretes) supported by steel joists which are supported by a reinforced concrete columns and beams frame on reinforced concrete foundations.

INSULATION & WATERPROOFING:

It has 2" thick fiberglass panels covered by a three-ply built-up roof impregnated in asphalt.

DIMENSIONS

Out-to-out dimensions of 270'-6 1/2" x 240'-6" for an area of 65,064.87 square feet of manufacturing space; lean-to of 31'-2" x 10'-6" for an area of 327.29 square feet for sanitary facilities; rest area of 43'-6 1/2" x 7'-6" for an area of 326.55 square feet, shipping area of 45'-0" x 30'-0" for an area of 1350.00 square feet; telephone room of  $15'-0" \times 30'-0"$  for an area of 450.00square feet; storage room of 74'-0" x 30'-O' for an area of 2220.00 square feet; air conditioning room of 70!-9! x 53!-1!an area of 3755.41 square feet; refrigeration room of  $20'-3" \times 53'-1"$  for an area of 1074.87square feet; electric equipment rooms of  $15'-0" \times 30'-3"$  for an area of 453.75 square feet; oven room of  $15'-0" \times 30'-3"$  for an area of 453.75 square feet; two (2) loading docks- one (1) of  $60'-8" \times 9'-0"$  & another of 13'-11" x 10'-10" for an area of 696.78 square feet and a cafeteria room of 60'-8" x 30'-0" plus 16'-0" x 11'-0" for an area of 1996.10 square feet. This gives a total area of 78,169.37 square feet of space.

FLOOR

4" thick reinforced concrete with monolithic cement finish designed for a live load of 150 psf.

WALLS

Exterior - cement block, plastered and painted on both sides.

Interior - cement block, plastered and painted on both sides (with epoxy paint in sanitary facilities.

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DESCRIPTION OF BUILDING NO. S-0726-0-65 PATILLAS, P.R.

PAGE 2

DOORS Exterior - painted, metal, industrial type.

Interior - wooden - flat - painted.
Roll-up - three (3) metal, 10'-0" x 10'-

0".

WINDOWS Aluminium, painted, miami type.

HEIGHT

Interior - from finish floor to lower part of beam in the side eaves - 16'-0"; in the

center - 18'-6".

It has nineteen (19) waterclosets; thirteen SANITARY

(13) lavatories and four (4) urinals. FACILITIES

HANDICAPPED

Ramp, handicapped lavatory and watercloset. FACILITIES

ROOF

EXTRACTOR There are thirteen (13) units in the roof

area.

aw

July 1993

# DESCRIPTION OF BUILDING NO. S-0726-1-68

#### PATILLAS, PUERTO RICO

STRUCTURE: Building with a pitched roof consisting of pre-stressed concrete slabs (poretes) supported by steel joists which are supported by a reinforced concrete columns and beams frame

on reinforced concrete foundations.

INSULATION &

WATERPROOFING: It has 2" thick fiberglass panels covered

by a three-ply built-up roof impregnated in

asphalt.

DIMENSIONS: Out-to-out dimensions of  $31'-1'' \times 240'-6''$ 

for an area of 7474.74 square feet of

manufacturing space.

FLOOR : 4" thick reinforced concrete with monolithic

cement finish designed for a live load of

150 psf.

WALLS : Exterior - cement block, plastered and painted

on both sides.

Interior - cement block plastered and painted

on both sides (with epoxy paint in sanitary

facilities).

DOORS : Exterior - painted, metal, industrial type.

WINDOWS : Aluminium, painted, miami type.

HEIGHT: Interior - from finish floor to lower part

of beam in the side eaves - 16'-0"; in the

center - 18'-6".

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July 1993

## DESCRIPCION DEL EDIFICIO NUM. S-0161-0-53 HUMACAO, PUERTO RICO

**ESTRUCTURA** 

Consiste en un techo inclinado de paneles prefabricados de hormigón "poretes" sostenido sobre viguetas de acero, apoyadas en un armazón de vigas y columnas de hormigón sobre cimientos de hormigón armado.

AISLACION E IMPERMEABILIZACION : Tiene aislación de l' pulgada de fibras de cristal con un sistema de impermeabilización consistente en cuatro felpas impregnadas de asfalto.

**DIMENSIONES** 

Exteriores de 91' - 2" x 240' - 6" con un área de 21,926.39 pies cuadrados para manufactura; área de facilidades sanitarias de 20' - 0" x 52' - 0" con un área de 1,040.00 pies cuadrados. El área total del edificio es de 22,966.39 pies cuadrados de espacio cubierto.

PISO.

Losa de 4" de hormigón armado y terminación monolítica de cemento, diseñada para soportar carga viva de 150 libras por pie cuadrado.

**PAREDES** 

Exteriores - de bloque de 6" empañetada
y pintada por ambos lados.

Interiores - de bloque de 6" empañetada y pintada por ambos lados (con pintura epóxica en las facilidades sanitarias).

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**PUERTAS** 

: Exteriores - de metal tipo industrial

pintada.

Interiores - de madera, lisa, pintada.

**VENTANAS** 

: De aluminio tipo miami.

ALTURA

: En el interior, la menor, desde el

piso hasta la parte inferior de la

viga lateral es 12' - 0".

FACILIDADES SANITARIAS

: Tienen 15 inodoros, 4 lavamanos y

2 urinales.

**EXTRACTORES** 

: En el techo del edificio hay 3 unidades

de extractores.

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#### DESCRIPCION DEL EDIFICIO NUM. S-0161-1-73 HUMACAO, PUERTO RICO

**ESTRUCTURA** 

: Consiste en un techo inclinado de paneles prefabricados de hormigón "poretes" sostenido sobre viguetas de acero, apoyadas en un armazón de vigas y columnas de hormigón sobre cimientos de hormigón armado.

AISLACION E IMPERMEABILIZACION : Tiene aislación de 1' pulgada de fibras de cristal con un sistema de impermeabilización consistente en cuatro felpas impregnadas de asfalto.

DIMENSIONES

: Exteriores de 91' - 2" x 81' - 6" con un área de 7,430.36 pies cuadrados para manufactura; y plataforma de carga techada de 20'-0" x 72'-0" con área de 1,440 pies cuadrados. El área total del edificio es de 8,870.36 pies cuadrados de espacio cubierto.

**PISO** 

: Losa de 4" de hormigón armado y terminación monolítica de cemento, diseñada para soportar carga viva de 150 libras por pie cuadrado.

**PAREDES** 

: Exteriores - de bloque de 6" empañetada y pintada por ambos lados.

**PUERTAS** 

: Exteriores - de metal tipo industrial pintada.

Interiores - de madera, lisa, pintada.

**VENTANAS** 

: De aluminio tipo miami.

ON.

ALTURA

: En el interior, la menor, desde el

piso hasta la parte inferior de la

viga lateral es 12' - 0".

FACILIDADES SANITARIAS

: N/A

EXTRACTORES

: En el techo del edificio hay 1 unidad

de extractores.

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#### DESCRIPTION OF BUILDINGS NO. S-1336-0-82 HUMACAO, PUERTO RICO

STRUCTURE

Pitched roof type buidling consisting of a gauge 22 corrugated steel deck supported on steel joists which in turn are supported by steel beams and columns on reinforced concret foundations

INSULATION AND WATER PROOFING

: It has a l" fiberglass panel insulation topped by a three ply built-up roof system

DIMENSIONS

Exterior, out to out dimensions of 90'-0" x 362'- 01" with an area of 32,768.24 square feet of manufacturing space; two lean-to facilities 12'-6" x 30'-6" with an area of 762.50 square feet; one covered loading platform 16'- 0" x 24'- 0" with an area of 384 square feet. This gives a total area of 33,914.74 square feet of covered space.

FLOOR

: Reinforced concrete slab, 4" thick with monolithic cement finish designed to support a live load of 150 psf.

WALLS

Exterior - 6" cement blocks, plastered and painted on both sides

Interior- 6" cement blocks plastered and painted on both sides with epoxy paint inside the lean-to

DOORS

Exterior - metal, industrial type painted
Interior - wooden, flat, painted
Roll-up - two metal, one 10'-0" x 12'-0"
and one (9'-6" x 10'-0")

ace

WINDOWS : Aluminum, miami type

HEIGHT : Interior 18'- 2 1/2" from finish floor to

lowest part of side beam

SANITARY FACILITIES: Fourteen waterclosets, sixteen lavatories

, and four urinals

HANDICAPPED Reinforced concrete ramp with galvanized

tubing railings

ROOF EXTRACTORS : Eight units on the roof

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DESCRIPTION OF BUILDING T-849-0-68, VIEQUES, P.R., TYPE "X-1"

This is a pitced roof type building consisting of reinforced concrete foundations, steel columns, and steel girders supporting 30 feet long steel joists which in turn support 22 gauge standard galvanized steel deck, covered by 1" fiberglass insulation and a 3 plies built-up roofing. Roof ventilators are provided.

The structure consists of a main floor  $120'-6" \times 90'-11"$  out to out dimensions with an area of 10,955,86 sq. ft. of manufacturing space; a lean-to  $31'-2" \times 10'-6"$  for an area of 327.29 sq. ft. This amounts to a total area of 11,283.15 sq. ft.sq. of covered floor space.

The floor consists of a 3 1/2" thick reinforced concrete slab with a monolithic cement finish. Floor slab is designed for a load capacity of 150 pounds p.s.f.

Exterior walls are of concrete blocks plastered and painted on both sides.

Interior walls at the lean-to are plastered and painted together with a 6'-1" high sprayed-on glazed finish Vitricon.

Windows are miami aluminum louvers throughout the building.

Interior doors are made of plywood and exterior are industrial metal type.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side eaves is 12'-8''.

(كدياند)



DESCRIPTION OF BUILDING T-0849-1-69, AT VIEQUES, PUERTO RICO

This is a pitched roof type building consisting of reinforced concrete foundations, steel columns, and steel girders supporting 30 feet long steel joists which in turn support 22 gauge standard galvanized steel deck, covered by 1" fiberglass insulation and a 3 plies built-up roofing. Roof ventilators are provided.

The structure consists of a main floor  $120'-6'' \times 90'-0''$  out to out dimensions with an area of 10,845.00' sq. ft. of manufacturing space. A lean-to 31'-6'' for an area of 330.75 sq. ft. This amounts to a total area of 11,175.75 sq. ft. of covered floor space.

The floor consists of a 3 1/2" thick reinforced concrete slab with a monolithic cement finish. Floor slab designed for a load capacity of 150 pounds p.s.f.

Exterior walls are of concrete blocks plastered and painted on both sides.

Interior walls at the lean-to are plastered and painted together with a 6'-1" high sprayed-on glazed finish Vitricon.

Windows are miami aluminum louvers throughout the building.

Interior doors are made of plywood and exterior are industrial metal type.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side eaves is 12'-9".

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